

## SEARCH REQUEST FORM

by Friday (64)

Examiner # (category): 76428 Requester's Full Name: NGA B NGUYENArt Unit 2764 Location (Bldg/Room#): PK2-5X20 Phone (circle 305/306/308) 2901Serial Number: 08/931,655 Results Format Preferred (circle): PAPER DISK  E-MAIL Title of Invention Schedule Retrieval Method for Controlling Schedules  
and Schedule Server Apparatus with Multistageous idle-time  
retrieval means

Inventors (please provide full names):

Yoshinori Nakayama ; Tadashi MiyazakiEarliest Priority Date: 8/14/99

Keywords (include any known synonyms, registry numbers, explanation of initialisms):

## Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

Idle-time is retrieved group by groupMultistageous idle-time retrieval means
  
 APPROVED  
 SP-2764

## STAFF USE ONLY

Searcher: M. HarrisSearcher Phone #: 305-0757Searcher Location: EICDate Picked Up: 5/13Date Completed: 5/14Clerical Prep Time: 10:00 45Terminal Time: 130Number of Databases: 45

## Type of Search

 N.A. Sequence A.A. Sequence Structure (#) Bibliographic Litigation Fulltext Procurement Other

## Vendors (include cost where applicable)

 STN Questel/Orbit Lexis/Nexis WWW/Internet In-house sequence systems (list) Dialog D.LINK Westlaw Other (specify)

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\*  
\* Cover Sheet  
\*  
=====

\*\*\* 08/931655\*\*\*

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\*  
\* Prepared for: NGUYEN  
\*  
\* By : Malinda Garris  
\*  
\* Date : May 14, 1999  
\*  
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HI,

Attached are your search results. Please review and call me if you have questions. I will be out next week until May 24.

My number is 305-0757

Malinda Garris  
Elc

4/7/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05808585 \*\*Image available\*\*  
MULTISTAGE FREE TIME RETRIEVAL SYSTEM

PUB. NO.: 10-091685 [JP 10091685 A]  
PUBLISHED: April 10, 1998 (19980410)  
INVENTOR(s): NAKAYAMA YOSHINORI  
MIYAZAKI TOSHIYUKI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 08-244472 [JP 96244472]  
FILED: September 17, 1996 (19960917)

#### ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to narrow down retrieval to the retrieval result that the promoter intends by transmitting and receiving data between terminals assigned to the promoter and a participant, dividing registered **schedules** into groups, and re-setting the free time retrieval result of one group as a retrieval conditions of another group.

SOLUTION: An input control function 104 of the terminal 101 assigned to the promoter inputs the **schedule** of the promoter or participant and allows the input of free time retrieval, and a display control function 105 displays an inputted **schedule** and outputs a retrieval result. Further, a communication control function 106 sends and receives data of a **schedule** server system 103 and the terminals. A multistage free time retrieval system of the **schedule** server system 103 finds the free time of facilities in a specific period. Here, the registered **schedules** are divided into groups and the free time retrieval result retrieved by one group is re-set as a retrieval condition for retrieving the free time of another group.

?

File 8:Ei Compendex(R) 1970-1999/May W1  
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(c) 1999 Reed-Elsevier (UK) Ltd.  
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Comp&distr 1998 NTIS, Intl Copyright All Righ  
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File 34:SciSearch(R) Cited Ref Sci 1990-1999/May W2  
(c) 1999 Inst for Sci Info  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 99:Wilson Appl. Sci & Tech Abs 1983-1999/Apr  
(c) 1999 The HW Wilson Co.

Set	Items	Description
S1	41655	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	14125	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	270	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2) GROUP?) (N4) (- RETRIEV?)
S4	161980	SCHEDULE? ? OR SCHEDULER? ?
S5	46518	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	12	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	8	RD S6 (unique items)
?		

9/7/1 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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04903791 E.I. No: EIP98014001508

Title: **Multi-cyclic flow shop scheduling: An application in multi-stage, multi-product production processes**

Author: El-Najdawi, M.K.

Corporate Source: Villanova Univ, Villanova, PA, USA

Source: International Journal of Production Research v 35 n 12 Dec 1997.

p 3323-3332

Publication Year: 1997

CODEN: IJPRB8 ISSN: 0020-7543

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9803W1

**Abstract:** This paper focuses primarily on multi-cyclic flow shop scheduling. Multi-cyclic scheduling is a generalization of common cycle scheduling in which the cycle time for each product is required to be an integer multiple of the base cycle time. After reviewing the literature, this paper presents an efficient heuristic procedure which generates near-optimal multi-cyclic **schedules** for a flow shop production environment under deterministic and stationary conditions. This heuristic accounts for all inventory costs including in-process inventory and **idle time**. The proposed heuristic is then implemented and tested at CONMAT Inc. CONMAT Inc. is a construction materials company based in Pennsylvania, USA. The solution procedure compared to the performance of the current production process at CONMAT proved to be very cost and time efficient.  
(Author abstract) 37 Refs.

9/7/2 (Item 2 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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03937635 E.I. No: EIP94091387112

Title: **Job-splitting heuristic for lot-size scheduling in multi-stage, multi-product production processes**

Author: El-Najdawi, M.K.

Corporate Source: Villanova Univ, Villanova, PA, USA

Source: European Journal of Operational Research v 75 n 2 Jun 9 1994. p 365-377

Publication Year: 1994

CODEN: EJORDT ISSN: 0377-2217

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9410W4

**Abstract:** This paper focuses primarily on cyclic scheduling in **multi-stage, multi-product production**. Cyclic **schedules** are generalizations of common cycle **schedules** (CCSP) in which the cycle time for each product is required to be an integer multiple (not necessarily one as in the CCSP) of the base cycle time. Solution procedures which have been reported in literature for this problem ignore in-process inventory and are limited to single-stage and/or single-product production processes. After reviewing the literature, this paper presents an efficient heuristic procedure which generates near-optimal cyclic **schedules** for the multi-product, **multi-stage** flow shop production environment under deterministic and stationary conditions. This procedure accounts for all inventory costs including in-process inventory and **idle time**. The proposed solution is then compared to the optimal CCSP solution developed by El-Najdawi and Kleindorfer and, as expected, performed significantly better than the traditional CCSP approach. Compared to other heuristics studied in the literature, this procedure appears to be more useful as a computable and cost-efficient approach for practical size applications. (Author abstract)  
Refs.

9/7/3 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abstracts Online  
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01527517 ORDER NO: AAD97-03664

**THE DETERMINATION AND EVALUATION OF TRANSFER BATCHES FOR MULTI-STAGE FLOW SHOPS**

Author: HYUN, SEUNG YONG

Degree: PH.D.

Year: 1996

Corporate Source/Institution: THE UNIVERSITY OF WISCONSIN - MADISON (0262)

Supervisor: URBAN WEMMERLOV

Source: VOLUME 57/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4025. 341 PAGES

This research deals with lot-sizing and scheduling problems involving transfer batches for both single and multi-item, multi-stage flow shops. Two different ways of overlapping operations (delay and non-delay mode) are considered in analytical modeling of lot-splitting schedules. In the scheduling perspective, mathematical models of a processing schedule with equal sized transfer batches are developed for a finite job set. The models generate detailed specifications of the material flows (i.e., the movements of transfer batches in a processing system) by virtue of a feasible schedule (i.e., start/completion times) for each part across the processing stages. On the other hand, in the economic joint lot-sizing perspective, we develop common cycle scheduling models for the joint determination of transfer batches and order batch sizes. In these models, the relationship between order batches and transfer batches, through the trade off between inventory holding costs and transportation/fixed costs, are explored.

Joint lot-sizing models for single-item problems provide optimal lot-splitting schedules. For multi-item problems, due to the inherent complexity of the material flows (setup and item interference), suboptimal solutions are derived within upper and lower bounds by a heuristic approach. Based on several test runs (including a test using large scale industrial data), it is conjectured that the suboptimality of the heuristic solutions, if any, is not substantial. Finally, we extend our lot-splitting models in order to incorporate a varying number of transfer batches for different items or uniform sized transfer batches.

In addition to analytical modeling, this study also explores how environmental factors affect the performance of transfer batches by conducting analytical and experimental investigations. For single-item flow shops, the functional relationships between system parameters and transfer batches are analyzed, and previous findings by other researchers are expanded and generalized. In the context of multi-item problems, experiments are undertaken to investigate the influence of manufacturing factors (such as move time, material handling capacity, setup time, job release sequence, and bottleneck concentrations) on lot-splitting performance. A set of explanatory measures (overlap, intermittent idle, and waiting time) is developed to gain additional insights. Finally, we develop suggestions for the practical use of lot-splitting based on our analytical results and experimental findings.

9/7/4 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abstracts Online  
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01315755 ORDER NO: AAD93-30522

**AN AGGREGATE PLANNING MODEL CONSIDERING PROCESSING TIME (PRODUCTION PLANNING)**

Author: DESSOUKY, MAGED MOHAMED

Degree: PH.D.

Year: 1992

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)

Chairman: ROBERT C. LEACHMAN  
Source: VOLUME 54/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3277. 110 PAGES

The traditional linear programming model for the multi-item multi-stage production planning problem is often used to determine levels of inventory and production. The traditional linear programming model of production planning implicitly assumes instantaneous transfers of intermediate products between activities and instantaneous processing times. Assuming instantaneous processing times, it is appropriate to use a linear programming model to represent the multi-item multi-stage planning problem since intermediate product outputs ("operation completions"), and input applications of intermediate products ("operation starts" or "production starts"), and resource applications all can be represented as rate-based flows. However, if processing times are significant, the problem is precisely formulated only as an integer program because product outputs and applications become event-based flows.

The focus of the dissertation is to develop multi-item multi-stage planning models that explicitly represent processing time. We go beyond the traditional use of linear programming to simply determine production rates; we explore the use of linear programming to actually schedule individual operations. The models presented make restrictions on the allowed epochs for "production starts", i.e., the events when the performance of an operation on an individual unit of output is initiated. It will be shown that under certain conditions this approach leads to integer programming formulations for which close-to-optimal and feasible solutions can be found without much more computational effort than that required to solve the corresponding linear programming relaxation.

The first model restricts the possible epochs for starting an operation to the set of planning period time grid points. This model is referred to as Production Starts Set To Beginning of Period (Model PSTBP). This first approach results in some forced **idle time** when the processing time is not an integer multiple of the period length.

The second model assumes that the time between consecutive starts of an operation is restricted to be a multiple of the processing time. This model is referred to as Production Starts Set To Processing Time (Model PSTPT). This assumption allows us to model the workload of an activity as a constant rate during intervals equal to the processing time. We show that by choosing the time grid for each activity in this manner, the linear programming solution will tend to be integral. Moreover, this model does not force as much **idle time**, in the case that the processing times are less than the length of a planning period.

9/7/5 (Item 3 from file: 35)  
DIALOG(R) File 35:Dissertation Abstracts Online  
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01182985 ORDER NO: AADDX-93610  
**A STUDY OF BINDER REMOVAL FROM POWDER INJECTION MOULDED ALUMINIUM BODIES (INJECTION MOULDED)**

Author: PINWILL, IAN E.

Degree: PH.D.

Year: 1990

Corporate Source/Institution: BRUNEL UNIVERSITY (UNITED KINGDOM) (0692)

Source: VOLUME 52/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3241. 431 PAGES

Available from UMI in association with The British Library.

A systematic study of the binder removal process from injection moulded powder bodies containing nominally 65% by volume commercial purity aluminium in a polypropylene-wax-stearic acid binder system was carried out.

Initial experimentation was based on thermogravimetric analysis in oxidising and inert atmospheres in order to understand degradation kinetics and mechanisms. Mouldings were then subsequently studied in a similar manner in order to explore defect formation using simple linear heating

ramps. This indicated the need for more complicated debinding schedules and as such a thermogravimetric approach was adopted by using multi - stage heating ramps. These lead to the creation of defect formation maps for 3mm and 6mm thick mouldings. These maps present the optimum debinding schedules and hence lead to the optimum weight loss profiles and minimum macro defect free debinding times . Oxidative degradation was shown to enhance the binder removal time and strength after debinding. The application of these maps to the bulk debinding of mouldings without the introduction of macro defects was demonstrated. Shrinkage and strength of the mouldings were monitored throughout debinding. This lead to important information on pore generation within the mouldings that could be linked to the maps and optimum thermograms.

Carbon residues formed during binder removal caused aluminium carbide formation on sintering and as such had to be removed prior to this stage. This was achieved by combustion in an oxidising atmosphere and hence thermal degradation was shown yet again to be inapplicable to this system. Debound mouldings so produced sintered poorly due to excessive oxide formation indicating the need for hot isostatic pressing if engineering components are to be made by this process.

A parallel study on a 201 alloy, which is a liquid phase sintering system, showed that binder removal characteristics were considerably different to the commercial purity material. This was attributed to catalytic activity of the alloying additions. Sintering of this alloy was not successful due to wetability problems between generated oxide and the liquid phase.

9/7/6 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 1999 Institution of Electrical Engineers. All rts. reserv.

4926510 INSPEC Abstract Number: C9505-1290F-096

Title: The strategic use of capacity slack in the economic lot scheduling problem with random demand

Author(s): Bourland, K.E.; Yano, C.A.

Author Affiliation: Amos Tuck Sch. of Bus. Adm., Dartmouth Coll., Hanover, NH, USA

Journal: Management Science vol.40, no.12 p.1690-704

Publication Date: Dec. 1994 Country of Publication: USA

CODEN: MSCIAM ISSN: 0025-1909

U.S. Copyright Clearance Center Code: 0025-1909/94/4012/1690\$01.25

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Growing interest in designing systems with capacity slack as one form of flexibility raises many questions about its use and its usefulness. In the framework of the economic lot scheduling problem with stochastic demand, we develop an optimization-based model that considers capacity slack, safety stock, and overtime explicitly, and has the objective of minimizing the expected cost per unit time of inventory, overtime, and, where applicable, setup costs. The solution is a continuous-time production plan that consists of a time-dependent inventory trajectory for each of the parts, including the placement of planned idle time in the schedule . We consider schedule stability to be desirable because of potential effects on upstream and downstream operations in multistage production settings. Thus, the plan also has certain characteristics that contribute to achieving stability. Our results on the relative merits of capacity slack and safety stock indicate that capacity slack in the form of planned idle time is not a cost-effective hedge against demand uncertainty in this context. Thus, it is essential that management carefully identify and evaluate other reasons for including idle time in a plan, and use the idle time effectively. For managers who face situations not fully represented by our model, this paper provides analytic results that will guide them in the placement of planned idle time and the choice of safety stock levels. (21 Refs)

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9/7/7 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 1999 Inst for Sci Info. All rts. reserv.

05218840 Genuine Article#: VJ106 Number of References: 14  
Title: LOT-SIZING AND CYCLIC SCHEDULING FOR MULTIPLE PRODUCTS IN A FLOW-SHOP  
Author(s): SARKER BR; YU JF  
Corporate Source: LOUISIANA STATE UNIV,DEPT IND & MFG SYST ENGN/BATON ROUGE//LA/70803  
Journal: COMPUTERS & INDUSTRIAL ENGINEERING, 1996, V30, N4 (SEP), P799-808  
ISSN: 0360-8352  
Language: ENGLISH Document Type: ARTICLE  
Abstract: This paper considers a production-inventory system in which optimal batch sizes are determined for  $n$  products that are processed on  $m$  machines in a flow shop. The total cost function for this system is derived by considering three cost components: inventory cost in work-in-process, the final products inventory cost and the machine setup labor cost. In order to make the optimal solution realizable, it is assumed that all products have the same processing cycle time. The capacity constraint considered during the derivation of the optimal lot sizes acts as an additional constraint. Two heuristic algorithms are developed in order to obtain the optimal solution. An important part of these algorithms is the modeling of the recursive relations among the production waiting times and machine idle times. These algorithms are not only used in deriving the optimal solution but also in providing the production schedules. A numerical example is also demonstrated along with the conclusion and indication for future research. Copyright (C) 1996 Elsevier Science Ltd

9/7/8 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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04851734 Genuine Article#: UM472 Number of References: 37  
Title: A COMPACT TASK GRAPH REPRESENTATION FOR REAL-TIME SCHEDULING  
Author(s): GUPTA R; SPEZIALETTI M  
Corporate Source: UNIV PITTSBURGH,DEPT COMP SCI/PITTSBURGH//PA/15260; TRINITY COLL,MATH COMP & ENGN CTR/HARTFORD//CT/06106  
Journal: REAL-TIME SYSTEMS, 1996, V11, N1 (JUL), P71-102  
ISSN: 0922-6443  
Language: ENGLISH Document Type: ARTICLE  
Abstract: A new task graph representation, namely the compact task graph (CTG), is developed to aid in the scheduling of a set of communicating periodic real-time tasks. This representation explicitly expresses the potential for parallelism across tasks as  $wt:ll$  as the idle times that may be encountered within application tasks. A CTG based scheduler can generate schedules that are able to meet deadlines by interleaving the execution of tasks on a single processor and/or overlapping the execution of tasks on multiple processors. The construction of a CTG is based upon the busy-idle execution profiles for the tasks generated by the compiler. The profiles are computed assuming that sufficient resources are available. for parallel execution of all tasks. Thus, they expose all opportunities for overlapped anti interleaved execution. The compiler analyzes the profiles to identify useful opportunities for interleaving and expresses them in the CTG without unnecessary partitioning of the tasks. The CTG is powerful because it expresses schedules that are not expressed by existing approaches for constructing task graphs. Schedules can be generated efficiently since a CTG's construction minimizes the splitting of tasks. We briefly demonstrate the usefulness of CTGs in scheduling real-time tasks and scheduling monitoring tasks without affecting the timing of application tasks.

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File 15:ABI/INFORM(R) 1971-1999/May 11  
(c) 1999 UMI  
File 9:Business & Industry(R) Jul 1994-1999/May 14  
(c) 1999 Resp. DB Svcs.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 647:CMP Computer Fulltext 1988-1999/May W1  
(c) 1999 CMP  
File 674:Computer News Fulltext 1989-1999/May W1  
(c) 1999 IDG Communications  
File 275:Computer Database(TM) 1983-1999/May 14  
(c) 1999 The Gale Group  
File 47:Magazine Database(TM) 1959-1999/May 14  
(c) 1999 The Gale group

Set	Items	Description
S1	3036	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	19916	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	184	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2) GROUP?) (N4) (- RETRIEV?)
S4	442107	SCHEDULE? ? OR SCHEDULER? ?
S5	71886	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	18	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	15	S2(S)S4(S)S5
S10	13	RD (unique items)
?		

10/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/INFORM(R)

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00086621

79-01509

Scheduling with List Processing and Problem Oriented Data Structures

Mack, Harold L.; Smith, L. Douglas

European Journal of Operational Research v2n3 PP: 175-184 May 1978

ISSN: 0377-2217 JRNLD CODE: EJO

...ABSTRACT: itinerant teachers. The scheduling problem concerns a training program which is to be delivered to **groups** of employees at **several** locations. A scheduling algorithm is designed to proceed in a dynamic manner, scheduling classes on a daily basis. It operates in 2 general phases: to **schedule** classes for selected employees at particular locations and to **schedule** classes which would eliminate **idle** time for teachers who terminate a class part way through a morning or afternoon. A selection...

10/3,K/2 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R) Jul

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01052094 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Day-Timer PIM For PC Intro'd

(Day-Timer Technologies is offering the Day-Timer Organizer personal information manager software)

Newsbytes News Network, p N/A

September 15, 1994

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 880

ABSTRACT:

...and many different styles will recognize the Day-Timer daily planner screen metaphor which displays **schedule**, daily to-do list, upcoming events, and daily diary or notes within one view. The...

...by clicking on the planner page corners. There are also arrows to expedite navigation through **multiple** weeks or months.

Individual and **group** scheduling features include click-and-drag scheduling, drag-and-drop rescheduling, automatic conflict checking, and...

10/3,K/3 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

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00605320 CMP ACCESSION NUMBER: NWC19911101S0715

What Lotus Notes Is Not (Peer to Peer)

Sally Blanning DeJean and David DeJean

NETWORK COMPUTING, 1991, n 211 , 132

PUBLICATION DATE: 911101

JOURNAL CODE: NWC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Logging Off

WORD COUNT: 2197

... fit to produce a new version, and the comment cycle begins again.

- Group calendar/meeting **scheduler** There is no agreement on what "**groupware**" means, but **many** of the programs in this category include some form of calendar or **schedule** shared by the group: Each member enters his or her **schedule** into the program, and any member can see the **schedule** of any other member. (To preserve some privacy, the programs typically don't display the appointment list, but a block chart that

represents time committed and time free.)

These programs are most often used to help automate meeting schedules. The meeting organizer enters...

10/3, X/4 (Item 1 from file: 674)

DIALOG(R) File 674: Computer News Fulltext

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045745

Marking

NetworkWorld Review, NetworkWorld TEST ALLIANCE

These network schedulers help battle communication breakdowns.

Byline: Stuart Melnitsky

Journal: Network World Page Number: 36

Publication Date: July 24, 1995

Word Count: 1919 Line Count: 175

Text:

... time to check out some calendaring software. These packages provide a way for employees to **schedule** meetings and events; create to-do lists; and view daily, weekly and monthly **schedules**. Campbell Services, Inc.'s On-Time Enterprise 1.5 and Microsystems Software, Inc.'s CaLANDar 3.00.06 bill themselves as **enterprise schedulers**, suitable for small and large networks. Both performed ably in our tests under NetWare and...

... allows multiple databases to communicate. CaLANDar can also be configured so that users can view **schedules** of users across the WAN. User default settings determine security and access for users as...

...ploy more vibrant icon-based interfaces. OnTime: A user's view OnTime is a group **scheduler** that also provides some personal services, such as a to-do list, appointments, birthdays and...in the reference calendars or in the weekly and monthly views, with users able to **schedule** appointments and meetings through any of the views. Similarly, users can select a time slot...

... daily, weekly and monthly, for instance. If the meeting is a group event, the meeting **scheduler** can use the Select Attendees button to designate participants. Users can also attach personal notes and group memos to meeting requests. Only the **scheduler** can view a personal note, while group memos are for all participants' eyes. OnTime allows...

... simultaneously. Why would a person need to? Well, it may be useful to view other **schedules** when seeking a meeting time that fits into everyone's **schedule**. Users must have rights to other users' **schedules** in order to view them. OnTime also notifies **schedulers** if a meeting time conflicts with other meetings or appointments. OnTime can seek out alternative...

... can see the list of attendees and decide whether to accept the invitation. The meeting **scheduler** can, at any time, pull up a current list of invitees that have responded. **Schedulers** can also force meetings on users by RSVPing for them. If E-mail notification is...

... Users can perform keyword searches to locate specific meetings or appointments and can print their **schedules** in a variety of formats. Similarly, OnTime calendar information can be exported as an ASCII...

... RSVPing or do neither. Like OnTime, CaLANDar notifies users of scheduling conflicts and shows the **schedules** of all participants and resources so that users can choose a desirable meeting time. Both applications present **schedules** for all invitees, showing booked and **free times**. The meeting **scheduler** must then select a time based on that information. Once a user has sent out...

... of meetings and messages by the New Activity button, which changes color. If the meeting **scheduler** attached an RSVP to a meeting request,

users can accept or decline the invitation or...

... its easy server installation and administration. Later this year, we'll take a look at **several** more packages for **groupscheduling** .

10/3,K/5 (Item 1 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
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01622772 SUPPLIER NUMBER: 14468846 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Calendaring and scheduling. (X.400 API Assn.'s efforts for developing group calendar/scheduler communications standards, IBM's Vendor Independent Calendaring specification and the potential impacts of General Magic's Telescript smart messaging technology) (one of several articles on Personal Data Interchange technologies) (includes related articles on cross-platform calendaring scenario and Telescript)  
Michalski, Jerry  
RElease 1.0, v93, n9, p16(4)  
Sept 23, 1993  
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1989 LINE COUNT: 00160

TEXT:

...but maybe Wednesday), calendaring personal data interchange is significantly more complicated. It requires looking up **free time**, setting tentative meetings and dealing with **multiple** attendees. Worse still, today's **group** -calendaring systems work only with static desktop computers. People on the move usually print a copy of their **schedule** and authorize an assistant to act as their proxy. When they return, they have to...

10/3,K/6 (Item 2 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01583627 SUPPLIER NUMBER: 13344724 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Have your computer call my computer. (includes related articles on the top-rated scheduling program and workgroup usage) (Software Review)  
(overview of four workgroup scheduling program evaluations) (Evaluation)  
Stone, M. David; Chen, Steven C.M.; Rigney, Steve  
PC Magazine, v12, n3, p271(17)  
Feb 9, 1993  
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2689 LINE COUNT: 00211

... scheduler--even if it runs on a LAN.

A workgroup scheduler (or more simply, a **group scheduler** ) must work with **many schedules** at once so that you could (and typically would) ask the program to find a **time** that's **free** for everyone in the group. A group **scheduler** may also provide such features as letting one user add items to another user's...

10/3,K/7 (Item 3 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01581466 SUPPLIER NUMBER: 13374992 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
New for PC - Maximizer for Windows 1.1 to run on LANs. (Richmond Technologies and Software Inc.) (Product Announcement)  
Buckler, Grant  
Newsbytes, NEW01050025  
Jan 5, 1993  
DOCUMENT TYPE: Product Announcement LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT  
WORD COUNT: 423 LINE COUNT: 00031

... Version 1.1 will sport a new group scheduling feature that, like similar functions in **many** work-group software packages, will help **schedule** meetings by finding **free** time in several individuals' calendars. Finally, the network administrator will be able to assign access "rights..."

10/3,K/8 (Item 4 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01550476 SUPPLIER NUMBER: 13039667 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Off the wire.**  
LaCroix, Catherine  
LAN Technology, v8, n13, p15(2)  
Dec, 1992  
ISSN: 1042-4695 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1595 LINE COUNT: 00133

... and DEC are co-developing a product that integrates Powercore's workgroup scheduling application, Network **Scheduler** 3, with DEC's TeamLinks suite of groupware applications. Network **Scheduler** 3 for TeamLinks will give TeamLinks users access to **multiple** personal and **group schedules** simultaneously, 24-hour scheduling, dynamic conflict detection, and **free - time** search.

Addressing the data management concerns of companies that use workstation- and server-based network...

10/3,K/9 (Item 5 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01526563 SUPPLIER NUMBER: 12315316 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Blind date. (Software Review) (Computer Associates' UpToDate scheduling software) (Evaluation)  
Wright, Tim  
PC User, n186, p53(1)  
June 3, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 787 LINE COUNT: 00060

ABSTRACT: Computer Associates' 79-pound-sterling Windows-based UpToDate time and resource **scheduler** is unambitious and unexciting, and it has limited success in improving on conventional scheduling packages...

...checks personal agendas, sends memos and books meetings, UpToDate is a success. Users can manage **several** individual and **group** diaries simultaneously; UpToDate is more successful at the group than at the individual level. Setting...

...then created, and once a group has been defined, the software compares each member's **timetables** for **free** time and sets the meeting. UpToDate's many quirks limit its effectiveness. For example, the package...

10/3,K/10 (Item 6 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01505067 SUPPLIER NUMBER: 12007056 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Computer Associates PIM eases group scheduling. (Computer Associates International Inc.'s CA-UpToDate personal information management system)

**(Product Announcement)**

Ferranti, Marc  
PC Week, v9, n13, p11(1)  
March 30, 1992  
DOCUMENT TYPE: Product Announcement      ISSN: 0740-1604      LANGUAGE:  
ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 373      LINE COUNT: 00030

... to manage work-group activities, CA officials said. For example, by combining the agendas of several people into a group agenda, users can search people's calendars for free time to schedule a meeting. When a suitable time is established, each work-group member's agenda is updated automatically to show the scheduled meeting time.

In addition, users can block out time slots for recurrent meetings. They can...

**10/3,K/11 (Item 7 from file: 275)**  
DIALOG(R) File 275:Computer Database(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01443938      SUPPLIER NUMBER: 11143039      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Some minuses to Schedule+: MS Mail add-on needs filling in. (Microsoft  
Corp.'s Schedule+ scheduling software for Microsoft Mail 3.0) (Software  
Review) (evaluation)  
Howard, Stephen  
MacWEEK, v5, n28, p39(3)  
August 13, 1991  
DOCUMENT TYPE: evaluation      ISSN: 0892-8118      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1815      LINE COUNT: 00137

... We found the addressing dialog box particularly non-intuitive. Workgroup functions. The best feature of Schedule+ requires frequent trips to the addressing dialog, but it's worth it. By selecting several people or groups from Mail's user list, you can see the shape of their combined schedules. Details of what each person is doing are not available in this view, but shared free time is obvious. Unlike ON Technology Inc.'s Meeting Maker (see MacWEEK, May 14), Schedule+ can't scan people's schedules and pick free time automatically. However, clicking through several days to find a span of available time is not...

**10/3,K/12 (Item 1 from file: 47)**  
DIALOG(R) File 47:Magazine Database(TM)  
(c) 1999 The Gale group. All rts. reserv.

03396209      SUPPLIER NUMBER: 09015591      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Tours that look for trouble: travel: how about a trip to Nicaragua, or to a  
Palestinian camp? (political awareness tours) (News You Can Use)  
Popkin, James  
U.S. News & World Report, v108, n21, p70(3)  
May 28, 1990  
CODEN: XNWRA      ISSN: 0041-5537      LANGUAGE: ENGLISH      RECORD TYPE:  
FULLTEXT  
WORD COUNT: 1277      LINE COUNT: 00098

... While you'll spend most of your time with a guide, tour operators usually allow free time for more conventional sightseeing. Close supervision makes political-awareness tours safe, despite the arrest last  
...

...storing rebel arms in her back yard, and she was briefly imprisoned before being deported. Schedules are rigorous-expect a solid 8 hours of meetings each day-and emotionally exhausting. Tour...

...hospital to visit a 17-year-old boy who had been shot in the foot.

Several days later, the **group** was invited to the Royal Palace in Jordan  
for a 40-minute private meeting with...

10/3, K/13 (Item 2 from file: 47)  
DIALOG(R)File 47: Magazine Database(TM)  
(c) 1999 The Gale group. All rts. reserv.

00848262 SUPPLIER NUMBER: 06243657 (USE FORMAT 7 OR 9 FOR FULL TEXT)

How CEOs manage their time.

Worthy, Ford S.

Fortune, v117, n2, p88(5)

Jan 18, 1988

ISSN: 0015-8259 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 3624 LINE COUNT: 00265

TEXT:

...invitations and expectations as a rich resource to be exploited. Donald Guinn of Pacific Telesis **Group**, for example, describes the **many** demands on his time as a ''menu of opportunities'' from which he can select in...

...across the hall to catch somebody else for another minute, and finally arrives at the **scheduled** meeting 20 minutes late. The time-management folks would gasp. But what's happening is...of his immediate subordinates but gives them enough warning so that they can shape their **schedules** around his. While it makes sense to block out time far ahead, too much advance...

...unanticipated. Stan Pace of General Dynamics builds leeway into his day by generally refusing to **schedule** formal meetings early in the morning.

''If I **schedule** seven or eight o'clock meetings,'' he says, ''then I'm off to the races...''

...calls, or read mail, or dictate letters, or take some action on my own'' before **scheduled** activities take over. He also tries to keep the late afternoons free of formal meetings. ''That allows me some **free time** to kind of wrap up the day.'' Pace doesn't use this ''**flexitime**,'' as he... secretary is not an arbiter of access but rather an assistant who helps screen and **schedule** the bidders for the boss's time -- subject to his later approval. Storage Technology's...

...years ago to help extricate the company from bankruptcy, gives his secretary the authority to **schedule** appointments months in advance. ''She has a good sense of what my priorities are,'' he...

...Telesis has the same arrangement with his secretary: ''When I finally see that something is **scheduled** that I don't believe I should do, she has to be willing to go...full of tips for getting the most out of travel time. Juergen Bartels tries to **schedule** trips so he can fly out on Sundays and return on Saturdays. Bartels and other...?''

File 621:New Prod.Annou.(R) 1985-1999/May 14  
(c) 1999 The Gale Group  
File 636:Newsletter DB(TM) 1987-1999/May 14  
(c) 1999 The Gale Group  
File 16:PROMT(R) 1972-1999/May 14  
(c) 1999 The Gale Group  
File 148:Trade & Industry Database 1976-1999/May 14  
(c) 1999 The Gale Group  
File 141:Readers Guide 1983-1999/Apr  
(c) 1999 The HW Wilson Co  
File 553:Wilson Bus. Abs. FullText 1982-1999/Mar  
(c) 1999 The HW Wilson Co  
File 484:Periodical Abstracts Plustext 1986-1999/Apr W4  
(c) 1999 UMI

Set	Items	Description
S1	8503	MULTI()STAG? OR MULTIPLE?(N2)STAG? OR MULTISTAG?
S2	35696	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	348	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2)GROUP?) (N4) (-RETRIEV?)
S4	1288050	SCHEDULE? ? OR SCHEDULER? ?
S5	135468	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M-ULTITUDE?) (N5) GROUP?
S6	33	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	22	S2(S)S4(S)S5
S10	17	RD S9 (unique items)

10/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:New Prod.Annou.(R)  
(c) 1999 The Gale Group. All rts. reserv.

00896166

00896609

Sassafras Software Inc. Announces KeyServer 5.0 -- License Metering for Thin Client and Traditional Desktops.

PR Newswire

DATELINE: HANOVER, N.H. April 30, 1998 WORD COUNT: 1469

...and/or control newly installed applications

- Reserve software licenses, or blackout software usage on hourly schedule
- Protect users from network failures on global WAN's with Shadow service
- Run built-in reports and analyze logs from anywhere on the Internet
- Allocate software to **multiple user groups** based on custom access privileges
- Authenticate users based on network address and/or additional criteria...

...licenses for special uses or prevent usage of certain applications during work hours.

Management of **multiple user groups** with different access privileges

KeyServer's sophisticated user authentication services have been enhanced to allow...

...to thirty separate user groups to have different access privileges for each application. Support for **multiple user groups** significantly enhances management of the complex environments common in enterprise-level networks.

Use Multiple Authentication...

...A partial list of supported authentication methods includes PC-NFS, File Server, Single Password, Users & 1Groups0 , and Kerberos.

Run **Multiple KeyServers** from one Computer

KeyServer 5.0 allows the administrator to specify the TCP/IP...KeyServer 4.2 extended Windows support to include 32-bit operating systems, introduced a sophisticated **Idle Time Management** system, and added many Windows features that had previously been available only to Macintosh...

...features were added, including a comprehensive reservation/blackout system which allows administrators to create recurring **schedules** for software permissions and access. Visit our Web site at:  
<http://www.sassafras.com>

NOTE...

10/3,K/2 (Item 2 from file: 621)  
DIALOG(R)File 621:New Prod.Annou.(R)  
(c) 1999 The Gale Group. All rts. reserv.

00757070

00757508

OnLive! Technologies Teams With EF Education to Bring Voice Conferencing to

Internet Language School

PR Newswire

DATELINE: CUPERTINO, Calif. April 8, 1997 WORD COUNT: 738

...classroom discussions around the world.

Students of the new EF Internet English School take regularly scheduled classes, meet other students on their free time, access special interest groups, play multi-user educational games and share information. Students pay an initial membership fee to gain access...

10/3,K/3 (Item 3 from file: 621)

DIALOG(R) File 621:New Prod.Annou.(R)

(c) 1999 The Gale Group. All rts. reserv.

00671128

00671128

**Let's Get Together At Sea Reunions Aboard Cruise Ships Are Increasingly Popular**

PR Newswire

DATELINE: NEW YORK Sep 24, 1996 WORD COUNT: 815

...the cruise industry: reunion cruises for extended families as well as affinity, military and school groups. Many sailings even include passengers who've traveled together in the past and liked the experience...

...the ship's public rooms for meetings and events plus special messages in the daily schedule -- or even a separate bulletin, if the group is large enough.

Furthermore, multigenerational families traveling together are a trend noted by CLIA-member cruise lines, including Crystal Cruises...

...family

reunions with their fully supervised activities for children, so the older folks can have free time together. And, American Hawaii Cruises enables large families to vacation together by offering free passage...

10/3,K/4 (Item 4 from file: 621)

DIALOG(R) File 621:New Prod.Annou.(R)

(c) 1999 The Gale Group. All rts. reserv.

00324633

00324633

**COMPUTER ASSOCIATES SHIPS CA-UpToDate**

News Release

DATELINE: ISLANDIA, NY March 23, 1992 WORD COUNT: 842

...manage time, people and resources.

CA-UpToDate allows individual users and work groups to coordinate, schedule and manage meetings and events over a Local Area Network, without any confusion, delays or...

...for

people who work in group situations and can't waste time endlessly trying to schedule meetings."

With CA-UpToDate, users can plan their time much more productively with three important...

...groups of combined agendas.

By combining different agendas, users can search a group for available **free time**, mailing it easy to **schedule** meetings. When a **free time** block is established, each group member's calendar is automatically updated with the **scheduled** meeting. Users can block out time slots over time for recurring meetings or create, modify...

...resources can be combined

with speakers or attendees to coordinate an entire meeting.

User-Definable **Groups**. Individuals can belong to **multiple groups** and can be temporarily **grouped** together for specific purposes. As a group's composition changes, the group definition can be...

...transferred quickly and easily within these formats.

#### MANAGING PERSONAL CALENDARS

Individual users can track personal **schedules** and contacts as well as establish perspectives for a day.

Agenda Maintenance. Users can categorize...

...categories, with color coding or

grayscale mailing it easy to instantly view the day's **schedule**.

Priorities and deadlines can also be attached to a day's agenda. With each agenda...

...view of the day from different levels.

Track and Search Functions. Users can search for **free time** blocks and contacts in personal agendas. Records can also be maintained on contacts, which can...

10/3,K/5 (Item 5 from file: 621)

DIALOG(R)File 621:New Prod.Annou.(R)

(c) 1999 The Gale Group. All rts. reserv.

00134757

00134757

#### Emc2 Release 2.7 Delivers New Options

DATELINE: NAPLES, FL September 16, 1986 WORD COUNT: 924

...copies of

the same message to standard groups of other users. With a mailing list, **several** Mail IDs may be **grouped** under a single group Mail ID. The letter is simply addressed to the group Mail...

...lists for their own exclusive private use.

Release 2.7 also enhances the Automatic Meeting **Scheduler** Feature, which automatically coordinates meetings among Emc2 users. The Automatic Meeting **Scheduler** checks users' calendars for **free time** to set up meetings, even among large groups. The new enhancement now automatically sends an...

...if a meeting is subsequently cancelled, Emc2 sends a cancellation notice to everyone who was **scheduled** to attend.

New capabilities have also been added to the Emc2 Calendaring Features. When users...

...occurring events. The new

release introduces added versatility by allowing biweekly events to be automatically **scheduled** as well.

Several internal design changes further improve Emc2's overall performance and responsiveness. These...

...in one location can communicate with users at another location.

Besides a full range of **schedule** -keeping and communication features,

Emc2 "extras" provide users with other "paperless office" conveniences. Thanks to...

10/3,K/6 (Item 1 from file: 636)  
DIALOG(R) File 636:Newsletter DB(TM)  
(c) 1999 The Gale Group. All rts. reserv.

03748654

**Complaints**

Law Office Technology Review July 25, 1997  
ISSN: 1047-6482 WORD COUNT: 255  
PUBLISHER: Law Office Technology Review

... private appointments private only by not using ALW. But if you don't block the time on ALW, a **Free Time** feature may **schedule** you for a **group** meeting.

We crashed the program **several** times during our testing. This can be an inconvenience, but we were always immediately able...

10/3,K/7 (Item 2 from file: 636)  
DIALOG(R) File 636:Newsletter DB(TM)  
(c) 1999 The Gale Group. All rts. reserv.

01728219

New For PC - Maximizer for Windows 1.1 To Run On LANs 01/05/93  
Newsbytes News Network January 05, 1993  
WORD COUNT: 372  
PUBLISHER: Newsbytes News Network

...Version 1.1 will sport a new group scheduling feature that, like similar functions in **many** work-**group** software packages, will help **schedule** meetings by finding **free** **time** in several individuals' calendars. Finally, the network administrator will be able to assign access "rights..."

10/3,K/8 (Item 1 from file: 16)  
DIALOG(R) File 16:PRMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

03464504

**What Lotus Notes Is Not**  
Network Computing November, 1991 p. 132  
\*FULL TEXT AVAILABLE IN FORMAT 7 OR 9\* WORD COUNT: 2090

...fit to produce a new version, and the comment cycle begins again. Group calendar/meeting **scheduler** --There is no agreement on what "**groupware**" means, but **many** of the programs in this category include some form of calendar or **schedule** shared by the group: Each member enters his or her **schedule** into the program, and any member can see the **schedule** of any other member. (To preserve some privacy, the programs typically don't display the appointment list, but a block chart that represents **time** committed and **time free**.)

These programs are most often used to help automate meeting schedules. The meeting organizer enters...

10/3,K/9 (Item 1 from file: 148)  
DIALOG(R) File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

07846679 SUPPLIER NUMBER: 16869810 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The North American Free Trade Agreement: green law or green spin?  
Charnovitz, Steve  
Law and Policy in International Business, 26, n1, 1-77

Fall, 1994

ISSN: 0023-9208

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 35819

LINE COUNT: 02904

... 8 Fatal Flaws of NAFTA, N.Y. Times, Sept. 22, 1993, at A17, sponsored by **several groups** including Sierra Club, Friends of the Earth, and the Humane Society. (7.) The NAFTA's...Trade Representative, The NAFTA: Report on Environmental Issues 5 (1993) [hereinafter USTR NAFTA Report]. (120.) Free Trade, But With Time Bombs, N.Y. Times, Oct. 6, 1992, at A22. (121.) Labor, Business, Agriculture, and Environmental...not gone into force, and it was uncertain whether it would go into force as **scheduled**. (391.) See GATT Secretariat, Understanding the Proposes GAIT Agreement on Sanitary and Phytosanitary Measures, 8...

10/3,K/10 (Item 2 from file: 148)

DIALOG(R) File 148:Trade & Industry Database

(c) 1999 The Gale Group. All rts. reserv.

06399875 SUPPLIER NUMBER: 13467068 (USE FORMAT 7 OR 9 FOR FULL TEXT)

You don't need a little bird to remind you about meetings. (Atlanta's Centers for Disease Control uses Campbell Services Inc.'s OnTime for Networks calendar software)

Olsen, Florence

Government Computer News, v12, n4, p24(1)

Feb 15, 1993

ISSN: 0738-4300

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 647

LINE COUNT: 00049

...ABSTRACT: OnTime for Networks group-scheduling software to assist the staff in working out meetings and **group** activities with **many** people. The software can link to any electronic-mail system that utilizes Message Handling Service (MHS) or has an MHS gateway. Judith Aguilar, assistant branch chief, uses the product to **schedule** meetings. OnTime allows her to hot-key into her electronic calendar, select the people she has to meet, overlay their electronic calendars on her screen and determine a **time** when everyone is **free**. OnTime users control the read and write access to their personal calendars. Campbell Serives is...

10/3,K/11 (Item 3 from file: 148)

DIALOG(R) File 148:Trade & Industry Database

(c) 1999 The Gale Group. All rts. reserv.

06383587 SUPPLIER NUMBER: 13344724 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Have your computer call my computer. (includes related articles on the top-rated scheduling program and workgroup usage) (Software Review)

(overview of four workgroup scheduling program evaluations) (Evaluation)

Stone, M. David; Chen, Steven C.M.; Rigney, Steve

PC Magazine, v12, n3, p271(17)

Feb 9, 1993

DOCUMENT TYPE: Evaluation ISSN: 0888-8507

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2689 LINE COUNT: 00211

... rest, is still a personal scheduler--even if it runs on a LAN. A workgroup **scheduler** (or more simply, a **group scheduler**) must work with **many schedules** at once so that you could (and typically would) ask the program to find a **time** that's **free** for everyone in the group. A group **scheduler** may also provide such features as letting one user add items to another user's...

10/3,K/12 (Item 4 from file: 148)

DIALOG(R) File 148:Trade & Industry Database

(c) 1999 The Gale Group. All rts. reserv.

05912579 SUPPLIER NUMBER: 12315316 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Blind date. (Software Review) (Computer Associates' UpToDate scheduling  
software) (Evaluation)  
Wright, Tim  
PC User, n186, p53(1)  
June 3, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 787 LINE COUNT: 00060

ABSTRACT: Computer Associates' 79-pound-sterling Windows-based UpToDate  
time and resource **scheduler** is unambitious and unexciting, and it has  
limited success in improving on conventional scheduling packages...

...checks personal agendas, sends memos and books meetings, UpToDate is a  
success. Users can manage **several** individual and **group** diaries  
simultaneously; UpToDate is more successful at the group than at the  
individual level. Setting...

...then created, and once a group has been defined, the software compares  
each member's **timetables** for **free** time and sets the meeting.  
UpToDate's many quirks limit its effectiveness. For example, the package...

10/3,K/13 (Item 5 from file: 148)  
DIALOG(R) File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

05817514 SUPPLIER NUMBER: 12007056 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Computer Associates PIM eases group scheduling. (Computer Associates  
International Inc.'s CA-UpToDate personal information management system)  
(Product Announcement)  
Ferranti, Marc  
PC Week, v9, n13, p11(1)  
March 30, 1992  
DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 373 LINE COUNT: 00030

... to manage work-group activities, CA officials said. For example, by  
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search people's calendars for **free** time to **schedule** a meeting. When a  
suitable time is established, each work-group member's agenda is updated  
automatically to show the **scheduled** meeting time.

In addition, users can block out time slots for recurrent meetings.  
They can...

10/3,K/14 (Item 6 from file: 148)  
DIALOG(R) File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

05422370 SUPPLIER NUMBER: 11143039 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Some minuses to Schedule+: MS Mail add-on needs filling in. (Microsoft  
Corp.'s Schedule+ scheduling software for Microsoft Mail 3.0) (Software  
Review) (evaluation)  
Howard, Stephen  
MacWEEK, v5, n28, p39(3)  
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WORD COUNT: 1815 LINE COUNT: 00137

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Workgroup functions. The best feature of **Schedule +** requires  
frequent trips to the addressing dialog, but it's worth it. By selecting  
**several** people or **groups** from Mail's user list, you can see the shape of

their combined **schedules** . Details of what each person is doing are not available in this view, but shared **free time** is obvious. Unlike ON Technology Inc.'s Meeting Maker (see MacWEEK, May 14), **Schedule +** can't scan people's **schedules** and pick **free time** automatically. However, clicking through several days to find a span of available time is not...

10/3, K/15 (Item 7 from file: 148)  
DIALOG(R) File 148: Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

04590704 SUPPLIER NUMBER: 09015591 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Tours that look for trouble: travel: how about a trip to Nicaragua, or to a  
Palestinian camp? (political awareness tours) (News You Can Use)  
Popkin, James  
U.S. News & World Report, v108, n21, p70(3)  
May 28, 1990  
CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
WORD COUNT: 1277 LINE COUNT: 00098

... While you'll spend most of your time with a guide, tour operators usually allow **free time** for more conventional sightseeing. Close supervision makes political-awareness tours safe, despite the arrest last  
...

...storing rebel arms in her back yard, and she was briefly imprisoned before being deported. **Schedules** are rigorous-expect a solid 8 hours of meetings each day-and emotionally exhausting. Tour...

...hospital to visit a 17-year-old boy who had been shot in the foot. Several days later, the **group** was invited to the Royal Palace in Jordan for a 40-minute private meeting with...

10/3, K/16 (Item 8 from file: 148)  
DIALOG(R) File 148: Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

03464288 SUPPLIER NUMBER: 06243657 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
How CEOs manage their time.  
Worthy, Ford S.  
Fortune, v117, n2, p88(5)  
Jan 18, 1988  
CODEN: FORTA ISSN: 0015-8259 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
WORD COUNT: 3628 LINE COUNT: 00265

TEXT:  
...invitations and expectations as a rich resource to be exploited. Donald Guinn of Pacific Telesis **Group** , for example, describes the **many** demands on his time as a 'menu of opportunities' from which he can select in...

...across the hall to catch somebody else for another minute, and finally arrives at the **scheduled** meeting 20 minutes late. The time-management folks would gasp. But what's happening is...of his immediate subordinates but gives them enough warning so that they can shape their **schedules** around his. While it makes sense to block out time far ahead, too much advance...

...unanticipated. Stan Pace of General Dynamics builds leeway into his day by generally refusing to **schedule** formal meetings early in the morning. ''If I **schedule** seven or eight o'clock meetings,' he says, ''then I'm off to the races...''

...calls, or read mail, or dictate letters, or take some action on my own'' before **scheduled** activities take over. He also tries to keep the late

afternoons free of formal meetings. "That allows me some **free** time to kind of wrap up the day." Pace doesn't use this "flexitime," as he... secretary is not an arbiter of access but rather an assistant who helps screen and **schedule** the bidders for the boss's time -- subject to his later approval. Storage Technology's...

...years ago to help extricate the company from bankruptcy, gives his secretary the authority to **schedule** appointments months in advance. "She has a good sense of what my priorities are," he...

...Telesis has the same arrangement with his secretary: "When I finally see that something is **scheduled** that I don't believe I should do, she has to be willing to go...full of tips for getting the most out of travel time. Juergen Bartels tries to **schedule** trips so he can fly out on Sundays and return on Saturdays. Bartels and other...

10/3, K/17 (Item 9 from file: 148)  
DIALOG(R) File 148: Trade & Industry Database  
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02982751 SUPPLIER NUMBER: 04606766 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Air freight 'system' still beyond reach. (world-wide system)**  
Feldman, Joan M.  
Air Transport World, v23, p40(4)  
Dec, 1986  
ISSN: 0002-2543 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3068 LINE COUNT: 00246

... prepared to make a significant investment in electronic data systems will continue to grow.'

While **many** **groups** are working on reducing the document strain, air freight has more basic problems--for example, flight **schedules** timed to shipper needs. The lack of nighttime flights is why express firms were started...

...rickshaws (in the case of DHL) to meet shipper delivery needs while combination planes sit **idle** at prime shipping **times** .

Expensive array

Not everyone thinks this dazzling--and expensive--array of vehicles necessarily provides express...  
?

File 621:New Prod.Annou.(R) 1985-1999/May 14  
(c) 1999 The Gale Group  
File 636:Newsletter DB(TM) 1987-1999/May 14  
(c) 1999 The Gale Group  
File 16:PROMT(R) 1972-1999/May 14  
(c) 1999 The Gale Group  
File 148:Trade & Industry Database 1976-1999/May 14  
(c) 1999 The Gale Group  
File 484:Periodical Abstracts Plustext 1986-1999/Apr W4  
(c) 1999 UMI  
File 624:McGraw-Hill Publications 1985-1999/May 13  
(c) 1999 McGraw-Hill Co. Inc  
File 553:Wilson Bus. Abs. FullText 1982-1999/Mar  
(c) 1999 The HW Wilson Co  
File 696:DIALOG Telecom. Newsletters 1995-1999/May 13  
(c) 1999 The Dialog Corp.

Set	Items	Description
S1	9034	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	35605	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	356	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP (N2) GROUP?) (N4) (- RETRIEV?)
S4	1385366	SCHEDULE? ? OR SCHEDULER? ?
S5	137428	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	32	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	31	S6 NOT PY=1999
S10	29	RD (unique items)
S11	1	S2(S)S3
S12	98	S5(S)S2
S13	0	S12(S)S1
S14	1	S12 AND S1
?		

fulltext

10/3,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Trade & Industry Database  
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10826756 SUPPLIER NUMBER: 53915113 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Progress in structural reform. (OECD Economic Surveys 1998-1999: Australia)  
OECD Economic Surveys - Australia, 63(3)

Dec 1, 1998

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 12382 LINE COUNT: 01043

... port visits. An implication of this multi-port pattern of operation is that disruption to **schedules** in one port, because of unreliable port and stevedoring services, can disrupt the **schedule** of services in subsequent ports, creating the potential for further delays to the ship. To counter these "knock-on effects" shipping lines may build slack into their service **schedule**, which raises costs. Other factors also distort international performance comparisons, among them the nature of... management's ability appropriately to allocate labour to tasks. Also, call-up payments(61) and **idle** time provisions(62) reduce the uncertainty of the employees' earnings due to the variability of container ...Problems with the current system

High marginal tax rates

Australia's present personal income tax **schedule** is progressive with a zero rate on the first AS 5 400 and a top...and sewerage rates and charges will be zero-rated (GST free). The GST is a **multistage** tax, which is levied whenever a registered business sells goods or services to another business...

10/3,K/2 (Item 2 from file: 148)

DIALOG(R)File 148:Trade & Industry Database  
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10394694 SUPPLIER NUMBER: 20576040 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The optimal frequency and sequencing of tests in the inspection of multicharacteristic components.

Shaoxiang, Chen; Lambrecht, Marc  
IIE Transactions, v29, n12, p1039(11)

Dec, 1997

ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 8781 LINE COUNT: 00684

... the characteristics of its incoming (outgoing) materials (products). However, because the inspection is not cost-free (e.g., time consuming), an immediate practical question arises: What are the characteristics that should be selected for...5), 249-259.

(5) White, L.S., (1966) An analysis of a simple class of **multistage** inspection plans. Management Science, 12 (9), 685-693.

(6) Britney, R.R. (1972) Optimal screening...

...Eppen, G.D. and Hurst, E.G. (1974) Optimal location of inspection stations in a **multistage** production process. Management Science, 20 (8), 1194-1200.

(8) Ballou, D.P. and Pazer, H...

...Hau, L.L. and Rosenblatt, M.J. (1987) Simultaneous determination of production cycle and inspection **schedules** in a production system. Management Science, 33 (9), 1125-1136.

(12) Doshi, B. (1991) Analysis...

...M. (1990) A break-even quality level approach to location of inspection stations in a **multistage** production process. International Journal of Production Research. 28 (1), 29-45.

(15) Raz, I. and Kaspi, M. (1991) Location and sequencing of imperfect inspection operations in a serial **multi -stage** production system. International Journal of Production Research, 29 (8), 1645-1659.

(16) Tang, K., Plante...

10/3,K/3 (Item 3 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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10376874 SUPPLIER NUMBER: 21011680 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Two cases illustrate acid gas/water injection scheme.

Kopperson, Dave; Horne, Steve; Kohn, George; Romansky, Dwayne; Chan, ; Chong ; Duckworth, Gordon L.

Oil and Gas Journal, v96, n32, p64(11)

August 10, 1998

ISSN: 0030-1388 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 3353 LINE COUNT: 00360

... mixer (Koch model SMVL) made of 316L SS. The mixed fluid stream enters the horizontal multistage centrifugal charge pump (Sulzer Bingham model 6x8x11D MSD-5). The pump metallurgy is conventional 316L...A final-stage back pressure controller exists prior to gas release to the 6-in., Schedule 40 Inconel 625 high-pressure, produced-water mixing header (Fig. 4).

The acid-gas stream...

...traced 6 in. carbon steel line. The line was kept above grade for inspection purposes.

Schedule 160 pipe with 0.490-in, corrosion allowance was installed at nominal extra cost over the required wall thickness (Schedule 40). This line can also serve for the total solution-gas injection scheme using the...

...seal was installed.

With the exception of the seal failures, the system ran virtually trouble free . At this time , there appears to be no effect of the acid-gas injection on component or overall...injection pipelines. Corrosion monitoring has been focused on the Thompson Lake facility where the project schedule required the installation of a high pressure, temporary, internally bare, carbon steel, stress-relieved injection...in an existing produced water injection systems. (n)A premium package cost was incurred for schedule improvements. (O.)Standard oil field water injection well. (oo.)From SPE Paper No. 35848, Spring...

10/3,K/4 (Item 4 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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10301491 SUPPLIER NUMBER: 20869894 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Batching and scheduling to minimize the makespan in the two-machine flowshop.

Cheng, T.C. Edwin; Wang, Guoqing  
IIE Transactions, v30, n5, p447(7)

May, 1998

ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 5567 LINE COUNT: 00437

...AUTHOR ABSTRACT: the batch processor. The problem is to find the optimal batch compositions and the optimal schedule of the batches so that the makespan is minimized. All problems in this class are...

... completion time of the last job in the batch. The objective is to batch and schedule the jobs so as to minimize the makespan.

Previous research on batching and scheduling problems...

...B.sub.1) on processor j, j = 1, 2;  
(C.sub.max((Pi)) = makespan of schedule (Pi).

Using the notation introduced by Ahmadi et al. (9), ...some special cases.

By an adjacent interchange argument, it can be easily shown that

10/3,K/5 (Item 5 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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09748940 SUPPLIER NUMBER: 19780348 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Metalforming/assembly hums with software: savings, quality, delivery, productivity and accuracy are among byproducts.

Remich, Norman C., Jr.

Appliance Manufacturer, v45, n7, p46(2)

July, 1997

ISSN: 0003-679X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 598 LINE COUNT: 00055

... software, from Scientific Forming Technologies Corp., Columbus, Ohio, can also be used to simulate a **multistage** progression, such as a mix of heating and forming operations.

Running on high-end PCs...

...MDT-01) installed on each press. MDT-01 records production totals and rate, run and **idle times**. Built-in networking enables a PC to collect data from up to 100 MDT by...

...graphically indicates current press condition: running at standard, down, in tool change/setup, or not **scheduled**.

WMS-01 replaces manual data collection by automatically preparing standard and user-defined production reports...

...assembly line to increase throughput and balance workloads.

"The system allows manufacturers to plan and **schedule** their assembly line manufacturing in detail, synchronizing all parts of the supply chain, improving **schedule** accuracy and on-time delivery, notes Jeff Herrmann, president and CEO of Optimax Systems Corp..."

10/3,K/6 (Item 6 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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09601814 SUPPLIER NUMBER: 19586010 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Production scheduling in almost continuous time.

Gue, Kevin R.; Nemhauser, George L.; Padron, Mario

IIE Transactions, v29, n5, p391(8)

May, 1997

ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6031 LINE COUNT: 00472

...AUTHOR ABSTRACT: computationally intractable formulation, we cast the problem in production planning terms and extract a production **schedule** from the solution. To solve our model, we introduce the notion of 'almost continuous time'...

... planning reduces labor and work-in-process inventory costs, lowers production costs by minimizing machine **idle time**, and increases the number of on-time job deliveries. Many of these planning problems are...

...that allows each processing stage to include a set of identical machines. Jobs must be **scheduled** on one machine in each stage. Typical objectives are to minimize the completion time of...

...MRP system. Padron (8) solves a linear programming formulation of the capacity-constrained multi-item, multi -stage production scheduling problem and compares the results with those he obtains with a more efficient...

...meet a set of demands. Their problem differs from others in that they do not **schedule** each machine, but each machine group. Luh and Hoitomt (10) use a Lagrangian relaxation decomposition...be processed over two adjacent periods. We call this approach almost continuous time.

Definition. A **schedule** satisfies almost continuous time when any operation started in time period  $t$  finishes in period...following notation:

$I$  = set of all jobs;

$(I.\text{sub.}j)$  = set of jobs to be **scheduled** in stage  $j$ ;

$(J.\text{sub.}i)$  = ordered set of stages required by job  $i$ ;

(Mathematical...begins with a snapshot of jobs in progress to determine the  $(w.\text{sub.}ij0)$  and **schedules** each job through its remaining stages. During a shift, however, new orders arrive, jobs may...

...due dates. A fresh run of the model can push lower-priority or ahead-of-**schedule** jobs aside to make room for the more urgent work.

Our model serves two purposes...

...not finished in accordance with the model solution, management can investigate the reasons behind the **schedule** alteration ('We couldn't process that many jobs in our stage in one shift') and...

10/3,K/7 (Item 7 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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09043619 SUPPLIER NUMBER: 18781730 (USE FORMAT 7 OR 9 FOR FULL TEXT)

'Just-in-time' production of large assemblies.

Agrawal, Ashutosh; Harhalakis, G.; Ioannis, Minis; Nagi, Rakesh  
IIE Transactions, v28, n8, p653(15)

August, 1996

ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 9950 LINE COUNT: 00817

...AUTHOR ABSTRACT: considered. Given the due dates of the end items, the objective is to determine a **schedule** that minimizes the cumulative production lead time. The lot sizes of the end items are...

... capacity constraints.

The scheduling objective is to minimize the cumulative lead time of the production **schedule** (total make-span). This is a critical issue for large assembly manufacturing in which finished...

...and cost. A 'just-in-time' (JIT) production strategy is adopted to develop the production **schedule** by delaying operations to be as late as possible. Although the strategy considered is similar...

...times that are defined a priori (Billington et al., 1983). This often results in infeasible **schedules** and subsequent delays in completion times. Some production planning and scheduling systems that perform the...

...systems (Reiter, 1966; Godin and Jones, 1969; Goldratt, 1980) do not perform satisfactorily in a **multistage** environment that includes more than one capacity constraint (Billington et al., 1983). An interesting production...

...and has shown superior performance for realistic sized problems. It is emphasized, however, that it **schedules** a given set of operations on their respective work-centers and does not allow for...

...Sinnamon (1989, 1992). Zahorik et al. (1984) have employed network programming models to solve the **multistage**, multi-item scheduling problem. Boctor (1990) has discussed basic optimality criteria for project scheduling and...

...the project delay. These include MINSLK, in which the activity with the smallest slack is **scheduled** first, RSM (resource scheduling method) and MINLFT, in which the activity with the smallest late finish time is **scheduled** first. The author suggested that a single heuristic may not

tie breaking. Of course, the values...

...processing times can always be adjusted such that LETSA is forced to generate a similar **schedule** without any need for tie breaking.

Example 2

Consider the problem in Fig. A2, where...

...W.sub.K). Note that all these ratios are the worst possible for a non-idle time **schedule**.

Appendix B. Optimal batch sizing problem

As mentioned in the last paragraph of Section 3.2, LETSA attempts to:

(i) minimize the makespan of the **schedule** and (ii) construct the **schedule** that minimizes WIP costs for the resulting sequence of tasks. Within this context, the optimal...

...Section 2.2, and we employ a method to compute WIP costs for the LETSA **schedule**. As a result of the former, the processing time for each operation in the network...

...is being added (single payment series compound amount factor). From the Gantt-chart of the **schedule** (i.e. from the operation completion times (C.sub.i)(B)), the total costs for...

10/3,K/8 (Item 8 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

08837376 SUPPLIER NUMBER: 18442823 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
A greedy algorithm to determine the number of transporters in a cyclic electroplating process. (Scheduling & Logistics)  
Armstrong, Ronald; Gu, Shanhong; Lei, Lei  
IIE Transactions, v28, n5, p347(9)  
May, 1996  
ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6842 LINE COUNT: 00507

One issue arising in the design of multi -stage processing lines that employ automated material-handling devices is the number of transporters needed to...

...the next operation. Since the hoists share a single track during their movements, any transportation **schedule** that causes a 'conflict' (i.e., two transporters having to cross each other to perform...

...2 must back off to stage 7 to ensure the segment of the track is free. Because it takes **time** for a transporter to travel between stages, the starting times of any two successive operations...triangle inequality holds for the traveling times; and

\* the system is restricted to simple cyclic **schedules**. The problem is: given (Pi), determine the minimum number of transporters so the set of ...

...objective of R is to minimize the number of transporters required to perform a cyclic **schedule** with a given cycle time (Pi). Constraints (1) and (2) require the operation at each...

...of N. With a fixed number of transporters, say Z, the total number of alternative **schedules** to be evaluated is given by (Z.sup.N + 1) N!. The quantity N! is...and the best simulation result, respectively. Parameter (Rho) represents the average use of the transporters **scheduled** by the GP algorithm and is calculated by

(Rho) = Average busy time of the transporters...

...is difficult to obtain, we compare the reduction in cycle time by using multiple transporters **scheduled** by the GP algorithm with the minimum cycle time achievable by using only one transporter...an optimal zoned

partition by the GP algorithm. With the Philu problem, using 2 transporters **scheduled** by the GP algorithm, the throughput rate increases by 107% (= (521 - 251)/251).

We have...

...Conference of Pacific Region Management.

Lei, L. Determining the optimal starting times in a cyclic **schedule** with a given routine. *Computers and Operations Research*, 20 (8), 807-816.

Lei, L. and...

**10/3,K/9 (Item 9 from file: 148)**  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)**  
Plastics Technology, v41, n8, pCOV(941)  
August, 1995  
DOCUMENT TYPE: Buyers Guide ISSN: 0032-1257 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 174436 LINE COUNT: 15187

... uses shop air and can be modified to allow spraying different colors at the same time .

For granite effect, model 205-1000 Grani-Tec gelcoat system can handle up to 60...module tracks measurement parameters and allows correlation of process and measurement parameters. Real-time Job **Scheduler** with color-coded Gantt chart display provides automatic update of jobs in progress based on...

...entry and release-entry modules update requirements for production-scheduling and material-planning modules. Production **Scheduler** provides forward and backward (finite and infinite) scheduling, JIT scheduling, forecast scheduling, and production-capacity planning of all machines and secondary operations. Products are automatically **scheduled** to machines that produce that type most efficiently. Reports include material planning, manufacturing efficiency, utilization...facilities for production, engineering, maintenance, SPC, and SQC. Display gives machine status at a glance. **Scheduler** provides basic job-queue generation, as well as estimation capability, "what-if" analysis, queue rippling...also provides on-line job-end forecasting that uses real-time production data. Preventive Maintenance **Scheduler** tracks run time and number of cycles on molds and machines, and flags those due...

**10/3,K/10 (Item 10 from file: 148)**  
DIALOG(R)File 148:Trade & Industry Database  
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08037872 SUPPLIER NUMBER: 17099725 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The economic lot and delivery scheduling problem: models for nested schedules.**  
Hahm, Juho; Yano, Candace Arai  
IIE Transactions, v27, n2, p126(14)  
April, 1995  
ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 10074 LINE COUNT: 00805

**The economic lot and delivery scheduling problem: models for nested schedules.**

**AUTHOR ABSTRACT:** We investigate the problem of simultaneously determining **schedules** for the production of several assembly components at a captive supplier and delivery of those...

... fact, but they do raise the question of exactly how production and deliveries should be **scheduled** . We investigate the interface between a

**schedule** developed by the algorithms. Thus the role of the scheduling algorithm becomes not that of finding the optimal **schedule**, but of getting the user into the neighborhood of a good **schedule** which can be modified manually or through an intelligent decision aid to accommodate constraints not...may have potential as post-processors to other algorithms, where they are applied to a **schedule** to indicate areas infeasibilities or undesirable solution characteristics to a user who can then rectify...

...requires the answers to fundamental questions such as, "What are the characteristics of a good **schedule**?" This depends on the environment being **scheduled** and the person making the decisions. Gary et al. [25] discuss issues involved in assessing the quality of **schedules**. Some of these have been addressed [21] by allowing the human to respond to **schedules** suggested by the system. This seems to be the best available solution to this problem...

...hope in this area, but require the resolution of the problem of what a good **schedule** is to enable the learning system to know what to learn.

There has been little...25] Gary, K., Kempf, K., Smith, S., and Uzsoy, R., "Assessing the Quality of Production **Schedules**," Proc. of the Intelligent Scheduling Systems Symposium, Scherer, W., and Brown, D (eds.), 148-164...

...C., Smith, S. F., and Fox, B. R., "Issues in the Design of Artificially Intelligent **Schedulers**," AI Magazine, Vol. 11, No. 5, 37-45 (1991).

[37] Kempf, K., Russell, B., Sidhu, S., and Barrett, S., "Artificially Intelligent **Schedulers** in Manufacturing Practice," AI Magazine, Vol. 11, No. 5, 46-56 (1991).

[38] Kubiak, W...Y., Muscettola, N., and Matthys, D.C., "An Integrated Framework for Generating and Revising Factory **Schedules**," Journal of the Operational Research Society, Vol. 41, No. 6, 539-552 (1990).

[57] Spearman...

10/3,K/12 (Item 12 from file: 148)  
DIALOG(R) File 148:Trade & Industry Database  
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07547854 SUPPLIER NUMBER: 15737605 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The overestimated workweek? What time diary measures suggest.

Robinson, John P.; Bostrom, Ann

Monthly Labor Review, v117, n8, p11(13)

August, 1994

ISSN: 0098-1818 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 9938 LINE COUNT: 00797

... in the literature, such as "time worked" (time actually worked); versus "time for work" (time **scheduled** for work); "contractual time" (time formally contracted to work); and "time paid" (the hourly basis... personal care (sleeping, eating, hygiene), and to all the types of activities that occur in **free** time. The multiple uses and perspective afforded by time-diary data have led to a recent...

...colleagues to go to a restaurant or bar), or attending to the mass media during **scheduled** work hours. While most workers might report this simply as work, other workers might report...

...might be subject to distorted perception, particularly because extensive hours could involve less regular work **schedules** in relation to those of other workers. To these respondents, the retrospective reporting of hours ...time spent on all different kinds of activities, including nonwork activities that might occur during **scheduled** work time.

Consequently, diary data cannot be expected to capture any fine-grained distinctions in...reasons for this increased difference are the increase in service jobs with no fixed hourly **schedule**, the rise in the amount of flexible work **schedules** in general, increased pressures for

family and personal business during work hours, and the increased...time jobs and have more familiarity with the hourly requirements of fitting life around such **schedules** . When women take on jobs requiring more hours than the usual 40 hours per week...

...those of men in the same jobs with fewer outside expectations. The more irregular the **schedule** , the more difficult the estimation task. There are perhaps stronger social expectations that men be...or country groups representing the nonmetropolitan and less urban portions of the country. In this **multi -stage** area probability sample, first-stage stratification of SMSA's and counties was carried out independently...

10/3, K/13 (Item 13 from file: 148)  
DIALOG(R) File 148: Trade & Industry Database  
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06169208 SUPPLIER NUMBER: 12813783 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Hydrocarbon Processing's Advanced Process Control Handbook VII. (Cover Story)  
Kane, Les  
Hydrocarbon Processing, v71, n9, p99(42)  
Sept, 1992  
DOCUMENT TYPE: Cover Story ISSN: 0018-8190 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 29334 LINE COUNT: 02689

... Circle 264)  
Integrated continuous/batch control (Circle 265)  
Marine terminal loading arm automation (Circle 266)  
Multistage liquid adsorption Circle 267)  
NGL cryo/nitrogen rejection (NRU) advanced control (Circle 268)  
Gensym Corp...system rules, MIMI Blend can translate the solution from the Planning level into a working **schedule** . On the Gasoline Blend Scheduling level MIMI Blend performs the following functions:  
\* Timing of blends...

...has an interactive, graphics oriented user interface in a windowed environment. This interface provides the **scheduler** with capability to carry out "what if" analyses to examine the impact of changes in...

...refining step that requires a smooth transition of functions from the time blends are initially **scheduled** to the point of final product certification. The incentive for enhancing blend management, optimization and...

...refiners on improved blending procedures and the delivery of technology that links the activities of **schedulers** and operators, optimizes and controls blends, and documents results to meet refinery information system ...checked by the tray design program for possible internal tray damage and future repair in **scheduled** maintenance. These generalized goal and objective-oriented approaches helped a naphtha cracker to run LPG... allowing recipes of formulas, procedures and generic unit line-ups, to be created, maintained and **scheduled** . The companion Event Logger provides effective and easily configured historization and reporting for accounting, troubleshooting...

...through intuitive and consistent graphics, to work around real-world problems. The control system minimizes **idle time** between production runs by allowing operations to queue and set up batches in advance.

Commercial...SETPOINT's total refinery information system (called PROCISE). Major COMANDS functions are:

Order management allows **schedulers** and operators to efficiently define orders and scheduling times. Orders may then be effectively managed ...gauging systems, other instrumentation, SCADA systems and DCSs.

Business strategy: THINK-TANK maintains a complete **schedule** of tank farm operations, and ensures that any new operation added to the **schedule**

is feasible and compatible with the current **schedule** . The user may select any operation on the **schedule** and request advice on routes. The system then finds all possible routes for the operation...

...hours per day in the real-time, online mode. The central processor is able to **schedule** tasks according to their priority (to permit software maintenance to be run without system shutdown...

10/3,K/14 (Item 14 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
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05228610 SUPPLIER NUMBER: 11593421 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The just-in-time philosophy: a legacy of an obsession. (production management techniques to achieve the total elimination of waste, total quality control, and worker involvement in decision making)  
Natarajan, Rajan; Sersland, Daniel R.  
Review of Business, v13, n1-2, p19(5)  
Summer-Fall, 1991  
ISSN: 0034-6454 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3684 LINE COUNT: 00291

... needed. Thus the emphasis is on reducing inventory costs through the elimination of waste and **idle** time , and through enhancement of speed and smoothness in production. In order to reduce inventory, a... danger of losing its edge as NEC Corporation has announced that a Japanese made supercomputer **scheduled** to come out soon will be the world's fastest machine. The fastest model in...

...A simulation analysis of the Japanese Just-in-Time technique (with Kanbans) for a multiline, multi -stage production system. Decision Sciences, Vol. 14, No. 3, 326-344. [10]. Interview with Mr. Kimura...

10/3,K/15 (Item 15 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

05187332 SUPPLIER NUMBER: 10832826 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
CICC accents global ASIC technology; papers from over 30 countries describe the latest in analog and digital ASICs and design software. (the Custom Integrated Circuits Conference) (application-specific integrated circuits) (technical)  
Maliniak, Lisa  
Electronic Design, v39, n9, p47(5)  
May 9, 1991  
DOCUMENT TYPE: technical ISSN: 0013-4872 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2810 LINE COUNT: 00228

... of the net. They are serially clocked out of the network, passing unchanged through any **unused** neurons.

Real-time image processing is the focus of a paper from Integrated Information Technology, Santa Clara, Calif...

...accumulators can also be used for general filtering operations, which include rounding and overflow-clamping stages . Multiple shifters perform efficient block floating-point operations.

The 16-bit RISC engine has only eight...

...instruction cache. They're loaded into two instruction registers of the instruction decoder and pipeline **scheduler** at the beginning of the second stage. They're then decoded into control signals for...

10/3,K/16 (Item 16 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

05113564 SUPPLIER NUMBER: 10407820 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The use of optimum levels of interstage buffers in assembly lines. (textile industry manufacturing process) (part 1) (Manufacturing Technology)  
Kolbeck, Wayne B.  
Bobbin, v32, n5, p106(3)  
Jan, 1991  
ISSN: 0896-3991 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1930 LINE COUNT: 00156

... subsystem station; the reduction of queuing inventory achieved by moving work centers closer together, synchronizing schedules across subsystems and virtual elimination of the queue inventory; space savings; reduction in defect discovery...

...compensated based on overall and long-term performance and not on individual production levels. An idle time is not necessarily nonproductive; it may be needed for reducing work-in-process inventory or ...with these buffers.

The role of the buffer stock (work-in-process inventory) in a multi -stage queuing network is to provide for a safety stock of work at a workstation to...

...These costs include: 1. delay costs that occur due to decreased system output and the idle time of operators, 2. the cost of carrying the in-process stock which comprises the buffer...

10/3,K/17 (Item 17 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

03903180 SUPPLIER NUMBER: 07576639 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Material requirements planning and purchasing. (25th Anniversary Special Edition)  
Bragg, Daniel J.; Hahn, Chan K.  
Journal of Purchasing and Materials Management, v25, n1, p41(6)  
Spring, 1989  
ISSN: 0094-8594 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3692 LINE COUNT: 00306

... use of MRP requires three basic information inputs. The first input is the Master Production Schedule (MPS), which states the anticipated production of finished product week-by-week into the future...

...the materials required to produce each item in the inventory system. Generally, the BOM contains multi -stage types of products. A multi -stage product requires a series of purchasing/production stages or steps to transform the raw materials...

...control. They are: . Dependent demand . Inventory/open order netting . Time phasing

Dependent demand takes the multi -stage product process into account when planning individual items. Clearly, the decisions to acquire raw materials...relationship between parent items and their components. A single component which fails to arrive on time results in idle inventory for the other components as well as a potential shortage for the parent due...

10/3,K/18 (Item 18 from file: 148)  
DIALOG(R)File 148:Trade & Industry Database  
(c) 1999 The Gale Group. All rts. reserv.

03500565 SUPPLIER NUMBER: 06321829 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Education: Giuffre' offers comprehensive individualized orientations, staff development (with CEU's provided), hospital...the school of your choice. For RNs/GNs pursuing a BSN a unique tuition payment **schedule** is also available with higher dollar limits

Housing: Montefiore can also provide conveniently located hospital... 12 paid sick days and 7 holidays annually.

Fringe: Your choice of Health Care Insurance (free to full-time employees); life and dental insurance (free to fulltime employees); tuition reimbursement; credit union,- free parking...to the positions of Nursing Unit Coordinator or Nursing Education Coordinator. Employment options range from **scheduled** full time to choosing your own hours, including paid on-call Nursing student's are...are also available, tuition assistance for continuing education up to \$4,000 annually for full time and \$1,500 for part time. Hospital discounts that include in/out patient care, cafeteria ...Other: Our RN staffing pool offers flexibility and premium pay. You may set your own **schedule** and work at one or all four hospitals.

Fringe: Interest free relocation loans are available...state income tax in Florida. Flexible scheduling patterns include a unique 7 on/7 off **schedule** , five 8-hour shifts with every weekend off, 10-hour, and 12-hour shifts.

The...with traditional 8-hour shifts is predominate, however, 24-hour weekend and three 12-hour **schedules** are available.

CDEARS MEDICAL CENTER

1400 N.W. 12th Ave.

Miami FL 33136

Telephone: Toll...bountiful stores in beautiful shopping malls and an array of restaurants challenge your ability to **schedule** activities for off-duty hours Opportunities: Come, visit us, and you will stay. Our facilities...well as medical residents. As a nurse at Piedmont, you have a choice of flexible **schedules** including 4, 8, and 12 hour shifts or our weekend plan.

Accredited: Piedmont is accredited...

10/3,K/19 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 UMI. All rts. reserv.

04155407 SUPPLIER NUMBER: 99095466 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Assimilation and leisure constraints: Dynamics of constraints on leisure in immigrant populations

Stodolska, Monika

Journal of Leisure Research (PLEI), v30 n4, p521-551

Fourth Quarter 1998

ISSN: 0022-2216 JOURNAL CODE: PLEI

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 11562

TEXT:

... 1987) observed that Hispanics were more likely than either whites or blacks to spend their **free** time within mixed-age family groups often composed solely of females. He concluded that this participation... activities, but also the accessibility of transportation (Washburne, 1978; West, 1989), availability and distribution of **free** time , and the physical abilities of an individual. These effects should be more pronounced for those...

...period following their arrival, can have a significant effect on a person's perception of **free** time ("leisure as burden"), on one's mental state, and can reduce disposable income and increase...leisure constraints will be anticipated.

Methods

This paper emerges from the third stage of a **multi -stage** , multi-method research project. Following a small-scale quantitative questionnaire pilot survey (Stage 1), a...large proportion of people who are tired after hard work, who do not have much **free** time , and who have

very little money to spend.

The third factor, labeled work related circumstances...types of occupations (e.g. caretakers, taxi drivers) whose characteristics such as lack of work schedules or the need to be on call all the time may reinforce this dimension of...

...likely to be employed full time and, as full time workers, have more regular work schedules and are eligible for paid vacations. Whereas for unskilled workers longer vacations may be equivalent...

10/3,K/20 (Item 2 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts PlusText  
(c) 1999 UMI. All rts. reserv.

03679977 SUPPLIER NUMBER: 98166751 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Discrimination in leisure and work experienced by a white ethnic minority group**  
Stodolska, Monika; Jackson, Edgar L  
Journal of Leisure Research (PLEI), v30 n1, p23-46  
First Quarter 1998  
ISSN: 0022-2216 JOURNAL CODE: PLEI  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 11077

**ABSTRACT:** A multi -stage , multi-method study examined issues related to leisure and discrimination among a white ethnic minority...

**TEXT:**

... have focused solely on the problems of racial minorities (Blacks, Hispanics, or Asians). The present multi -stage , multi-method study examines issues related to leisure and discrimination among white ethnic minority group...a systematic manner.

Methods

This paper emerges from the second and third stages of a multi - stage , multi-method research project. Following a small-scale quantitative questionnaire pilot survey (Stage 1), a...

...of a series of fairly broad questions sequenced according to a predetermined but flexible interview schedule . Respondents were encouraged to elaborate on issues related to the questions as well as to... always able to communicate." When asked about the reason why she preferred to spend her free time with other Poles, a middle-aged day-care worker responded:

You know . . . if I make...

10/3,K/21 (Item 3 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts PlusText  
(c) 1999 UMI. All rts. reserv.

03461479 SUPPLIER NUMBER: 97372122 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Work and volunteering: The long arm of the job**  
Wilson, John; Musick, Marc A  
Social Forces (GSFF), v76 n1, p251-272  
Sep 1997  
ISSN: 0037-7732 JOURNAL CODE: GSFF  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 8834

**TEXT:**

... are working outside the home and when Americans are working longer hours and have less free time for leisure and volunteering (Schor 1992:29). Thus, at a time when it is more...practices and conditions have a spillover effect on how willing people are to spend their free time helping others.

The most general formulation of spillover theory states that occupations that demand or...

...technical and social organization of work offers much freedom or discretion in methods, pace or **schedule** and opportunity for frequent interaction with fellow workers who share common interests and values" [or ...data we use are from a panel survey entitled Americans' Changing Lives, which used a **multistage** stratified-area probability sample of persons 25 years of age or older and living in...civic work" because they believed it diffused their energy. Kanter (1977) reported that the limited **free** time managers enjoy tends to be devoted to work-related activities. These data, however, suggest otherwise...

10/3,K/22 (Item 4 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 UMI. All rts. reserv.

03410231 SUPPLIER NUMBER: 97320874 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Attitudes toward childbearing among young parents**  
Groat, H Theodore; Giordano, Peggy C; Cernkovich, Stephen A; Pugh, M D; Swinford, Steven P  
Journal of Marriage & the Family (GMNF), v59 n3, p568-581  
Aug 1997  
ISSN: 0022-2445 JOURNAL CODE: GMNF  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 8873

TEXT:

... north-central metropolitan area. Data collection by National Analysts was accomplished by means of a **multistage**, probability sample based on area segments with known probabilities. The most recent census data were...pregnancies. The interviewer transcribed responses to this openended question onto several lines in the interview **schedule**. These written transcriptions were, in turn, coded as all negative, all positive, or mixed. For...of La Rossa and La Rossa (1981) makes clear that "it is the loss of **free** time accompanying parenthood that surprises and bothers new parents more than anything else" (p. 46), especially the inability to **schedule** events and make plans. Moreover, the concentration of time and energy expended on childbearing and the consequent loss of **free** time would logically seem to weigh more heavily on unmarried than on married parents, with perhaps...

10/3,K/23 (Item 5 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 UMI. All rts. reserv.

03333281 SUPPLIER NUMBER: 97243924 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**The influence of caregiving and employment on the voluntary activities of midlife and older women**  
Farkas, Janice I; Himes, Christine L  
Journals of Gerontology--Series B: Psychological Sciences & Social Sciences (PGN2), v52B n4, pS180-S189  
Jul 1997  
ISSN: 1079-5014 JOURNAL CODE: PGN2  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 7547

TEXT:

... Long Term Care Survey, Stone and Short (1990) find that caregivers may modify their work **schedules**, but the decision to work is related to factors other than care responsibilities. Other studies...this study. Respondents in the survey were drawn from a nationally representative sample utilizing a **multi -stage** area probability sample design. The

survey, conducted in 1987 and early 1988, was administered to...

...two measures and the emphasis is on socializing. They are less likely to be regularly **scheduled**, and participation is more flexible.

For each activity, respondents were asked to report the frequency... nonkin may also share the caregiving responsibilities with others, resulting in a less strenuous caregiving **schedule**. In addition, their obligations, perceived or real, may be diminished to less closely related kin...other hand, may have developed alternative sources of care or coping strategies which allow them **free time**.

While these explanations might explain why caregivers would have similar levels of participation in outside...

10/3,K/24 (Item 6 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 UMI. All rts. reserv.

03311465 SUPPLIER NUMBER: 97222108 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
How to survive nine to five  
Schoenfeld, Bruce  
Men's Health (PMNH), v12 n6, p108-113+  
Jul 1997  
ISSN: 1054-4836 JOURNAL CODE: PMNH  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3243

TEXT:

... make directing traffic into Salt Lake International and seven adjacent airfields especially problematic.

In the **multistage** dogleg that serves as the final approach from all directions, a controller has no margin...

...playing catch-up with stress."  
PUTTING ASIDE THE SCREWUPS

Pressure is always on to maintain **schedules** and efficiency. This means keeping the approaching planes close-but not too close. There's... attacks left and right." A well-built man with a linebacker's body, he does **free** -weight exercises several times a week for about an hour-and-a-half. He tries to play tennis at...

10/3,K/25 (Item 7 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 UMI. All rts. reserv.

02920276 SUPPLIER NUMBER: 96289496 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Housework in Canada: The national picture  
Nakhaie, M R  
Journal of Comparative Family Studies (PCFS), v26 n3, p409-425  
Autumn 1995  
ISSN: 0047-2328 JOURNAL CODE: PCFS  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6930 LENGTH: Long (31+ col inches)

TEXT:

... the housework because "the work must be done." Or, alternatively, the more husbands have available **free time**, because their jobs require fewer hours, the more they will contribute to domestic work. Several...time that women spend doing housework, it is women who are found to adjust their **schedules** to the changing family situation. Based on a similar study in 197172 in Halifax, Harvey...

...Consciousness: Merged Multi-Nation File" (CSCC) which involved in-home personal interviews with a national **multi -stage** stratified sample of

Canadians. The interviews were conducted between November 1982 and April 1983. There...

10/3,K/26 (Item 8 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts PlusText  
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02918545 SUPPLIER NUMBER: 96287765 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Stress in the life course: A life history approach**  
Ensel, Walter M; Peek, M Kristen; Lin, Nan; Lai, Gina  
Journal of Aging & Health (FJAH), v8 n3, p389-416  
Aug 1996  
ISSN: 0898-2643 JOURNAL CODE: FJAH  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 8425 LENGTH: Long (31+ col inches)

TEXT:

... and one in the second stage. In the first wave of the study (1979), a **multistage** probability sample of 1,091 adults ages 18-70 was chosen using housing data provided...1994. To accomplish this, additional respondents were sampled to replace the lost respondents.2 A **multistage** probability technique was used to select these respondents. This approach resulted in an additional 705...as subscribers to the "social clock theory" have pointed out, there are no specific age **schedules** for the occurrences of specific undesirable life events.

Reactions to life events vary across the...  
...regardless of the magnitude of that stress. Perhaps it is a function of having more **free time** on our hands. We need to further examine this issue.

It should be noted that...

10/3,K/27 (Item 9 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts PlusText  
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02880555 SUPPLIER NUMBER: 96249775 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Market child care versus care by relatives: Choices made by employed and nonemployed mothers**  
Kuhlthau, Karen; Mason, Karen Oppenheim  
Journal of Family Issues (PJFI), v17 n4, p561-578  
Jul 1996  
ISSN: 0192-513X JOURNAL CODE: PJFI  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6672 LENGTH: Long (31+ col inches)

TEXT:

... the survey, household screening was used to find eligible respondents at addresses drawn through a **multistage** probability sampling procedure in which census blocks or block-groups were stratified according to the...

...the Detroit survey, all respondents were asked if they were using any form of regularly **scheduled** care for their preschool-aged children other than the care they themselves provided. The child...  
...to the time of the interview. If an employed or enrolled woman reported using regularly **scheduled** care by both a relative and a nonrelative, the type used for the most hours...

...of the labor force, the dependent variable is scored 1 if any form of regularly **scheduled**, nonmaternal child care was used and is otherwise scored 0.

Independent Variables

Women's child...care to enhance the child's education and development

rather than as a device to free up their own time . It may also reflect, however, lower average family incomes among employed mothers than among nonemployed...If the child is young, the odds that someone other than the mother provides regularly scheduled care for that child are extremely low, and these odds rise rapidly as the child...nonemployed mothers use child care largely to enhance the child's development rather than to free their own time . Employed mothers undoubtedly seek out developmentally enhancing experiences for their children as well, but ensuring...

10/3,K/28 (Item 10 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts PlusText  
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02253858 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Who has it best? Women's labor force participation, perceptions of leisure and constraints to enjoyment of leisure  
Harrington, Maureen; Dawson, Don  
Journal of Leisure Research (PLEI), v27 n1, p4-24  
First Quarter 1995  
ISSN: 0022-2216 JOURNAL CODE: PLEI  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 7313 LENGTH: Long (31+ col inches)

TEXT:

... Canadian and British universities in the 1960s and 1970s. Leisure was generally conceived of as free time and freely chosen activity. For the individual, the notion of "free time" meant time not obligated to others in one's personal and institutional membership groups. Roberts (1970, p. 6) provides an explicit mainstream definition of what constitutes "leisure" or "free time":

Leisure time can be defined as time that is not obligated, and leisure activities can be defined...

...an individual has towards his family. When these obligations have been met, a man has 'free time' in which his behavior is dictated by his own will and preferences, and it is...

...in the home is non-obligatory and constitutes a preference in their use of their "free time" or leisure.

Few would call all the work women do in household maintenance and childcare...somewhat puzzling results. According to Henderson et al. (1989, p. 121) they "may have more free time and less time stress than women who work for pay," but ideologically the role of the housewife is...

...of having too much time (Henderson et al., 1989, p. 121). And yet, although full time homemakers have more "free time" than their employed counterparts, research by Shaw (1987) has shown that employed and nonemployed women...

...were a guide to the actual development of specific items. For example, the leisure meaning "Free Time" includes the items of surplus "time left after work", leisure as the "opposite of work...female names were randomly selected from the lists for chosen municipalities. In this way, the multistage sampling procedure ensured that all enumerated women had an equal chance of being selected.

In...were Self-Gratification, Relaxation and Personal Freedom (see Table 2). (Table 2 omitted) Leisure as Free Time or Activity were less adhered to meanings, while Achievement was the least held leisure meaning ...

...sample. (Table 8 omitted) The most frequently reported constraints included Responsibilities, Fatigue, Insufficient Time and Schedule Problems, along with Lack of Skill. Guilt and Lack of Money followed closely, and Lack...

...that those employed full time were more likely to be constrained by

Insufficient Time, Responsibilities, **Schedule** Problems and Fatigue than part time workers, who, in turn, were more likely to report...s significance less than .001). Univariate analyses for individual constraints reveal that Insufficient Time, Responsibilities, **Schedule** Problems and Fatigue as well as Fear and Values account for the differences by labor...

...individual constraints were similar to those reported in Table 9. Thus, for Insufficient Time, Responsibilities, **Schedule** Problems and Fatigue, full time workers report these constraints more than part time workers, who ...

...contrary to the assumptions of previous research that focussed on males, leisure does not mean **free** time or activity for the women in the present sample. They do not view leisure as...

...than with material barriers that prevent participation in certain leisure activities or limit one's **free** time. Thus, it follows that homemakers who are constrained most by a poor self-image, a...even if they are not more likely to view leisure as participation in activities during **free** time, do face objective problems such as a lack of time, scheduling difficulties, fatigue and having...

...experience of unemployment. Toronto: Thompson.

Chambers, D. A. (1986). The constraints of work and domestic schedules on women's leisure. *Leisure Studies*, 5, 309-325.

Clarke J., & C. Crichter (1985). The...

10/3,K/29 (Item 11 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
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02012108 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
How would business react to an employer mandate?  
McArdle, Frank B  
Health Affairs (HAF), v13 n2 (Pt. 2), p69-83  
Spring 1994  
ISSN: 0278-2715 JOURNAL CODE: HAF  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6575 LENGTH: Long (31+ col inches)

TEXT:

... an employer to substitute one full-time for two part-time employees, if the full-timer would be **idle** half the time. When Hewitt Associates asked large employers how a part-time employee coverage obligation would influence...may not be acceptable to legislators and interest groups that fear that any kind of **multistage** legislation will defuse political support: for more comprehensive legislation. But it would certainly remove the...

...business could improve significantly.

NOTES

1. According to one report, "the 1988 law is not **scheduled** to become effective until 1995, unless amended, repealed, or superseded by the Democratic proposal [which...?]

File 278:Microcomputer Software Guide 1999/Apr  
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File 256:SoftBase:Reviews,Companies&Prods. 85-1999/Apr  
(c)1999 Info.Sources Inc

Set	Items	Description
S1	15	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	151	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	1	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP (N2) GROUP?) (N4) (- RETRIEV?)
S4	4343	SCHEDULE? ? OR SCHEDULER? ?
S5	674	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	0	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	2	S5 AND S2
?		

Software

9/7/1 (Item 1 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)1999 Info.Sources Inc. All rts. reserv.

00106576 DOCUMENT TYPE: Review

PRODUCT NAMES: DacEasy Accounting & Payroll 4 Windows 95 & NT (684198)

TITLE: Manage Debits, Credits, and More  
AUTHOR: Yakal, Kathy  
SOURCE: Computer Shopper, v17 n12 p514(1) Dec 1997  
ISSN: 0886-0556  
HOMEPAGE: <http://www.cshopper.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

DacEasy's DacEasy Accounting & Payroll 4 for Windows, like the DOS version of the program, is one of the first reasonably-priced accounting packages available to small businesses. All the functions required by many small businesses are provided, including accounts receivable and payable, inventory, sales and purchasing, and payroll. A GAAP-compliant general ledger and accounting procedures are supported. Customizable forms and reports make the application even more powerful. This release is the result of the expansion of the outer limits of the earlier Windows release, in order to make new connections with external resources. This release can be networked out of the box and includes an Internet link. An agreement with ADP Electronic Banking Services provides online funds transport, and a free copy of **Timeslips** Accounting Link makes time and billing functions available. This 32-bit release runs under Windows 95 and Windows NT. However, the program is not competitive with such market leaders as Peachtree and Quickbooks. For example, when setting up a company, only the most experienced accountants could provide all the information needed without guidance (missing from DacEasy). Databases can be imported. Subicons customized for each window allow users to do **multiple** maintenance tasks for a particular **group** of records.

REVISION DATE: 980630

9/7/2 (Item 2 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00075071 DOCUMENT TYPE: Review

PRODUCT NAMES: Netscape Navigator (530883); WordPerfect Internet Publisher Pro Windows (553042)

TITLE: WordPerfect Meets Internet  
AUTHOR: Woods, Bob  
SOURCE: Computer Currents, v12 n19 p21(2) Feb 21, 1995  
ISSN: 8756-0046  
HOMEPAGE: <http://www.currents.net>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A deal between Novell and Netscape Communications allows Novell to use an Internet World Wide Web (Web) browser with many of its packages. Navigator will be added to **many** UNIX Systems **Group** products, as well as those of the Novell Applications Group and Information Access Management Group. Navigator allows users to start working on a document before downloading is complete, and it permits concurrent access to multiple servers for downloading; both features reduce online connection costs dramatically by

eliminating PC idle time. The first product to appear will be WordPerfect Internet Publisher Pro for Windows, for creation and viewing of documents by users with no knowledge of HyperText Markup Language (HTML). An add-on product, Internet Publisher, provides access to the Internet from inside WordPerfect 6.1.

REVISION DATE: 981030

?

File 256:SoftBase:Reviews,Companies&Prods. 85-1999/Apr

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File 278:Microcomputer Software Guide 1999/Apr

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Set	Items	Description
S1	15	MULTI() STAG? OR MULTIPLE?(N2) STAG? OR MULTISTAG?
S2	151	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	1	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2) GROUP?) (N4) (- RETRIEV?)
S4	4343	SCHEDULE? ? OR SCHEDULER? ?
S5	674	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	0	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	0	S2 AND S4 AND S5
S10	43	S4 AND S5
S11	40	S4(S)S5
S12	17	S11 AND TIME?
?		

Software  
Files

12/5/1 (Item 1 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01674966 DOCUMENT TYPE: Product

PRODUCT NAME: eRoom 2.0 (674966)

Instinctive Technology Inc (636215)  
725 Concord Ave  
Cambridge, MA 02138 United States  
TELEPHONE: (617) 497-6300

RECORD TYPE: Directory

CONTACT: Software Marketing Manager

eRoom 2.0 is a full-scale, collaborative document management solution. It includes all the knowledge and information that projects demand including files, discussions, **schedules**, spreadsheets, presentations, graphics and competitive analyses along with a full history of notes, comments and revisions in one place. eRoom helps diverse teams work faster by putting all members on the same page including those spread across **time** zones, cities and organizations. Project Coordination features help teams track and communicate requirements, milestones and **schedules**. Users can quickly establish access control, coordinate activities across geographies and provide context in the form of attached notes and discussions. eRoom is easy to use and allows anyone with a browser and clearance to access the information from anywhere. To add material, users simply drag-and-drop documents from their desktops, without HTML conversion. With a click of a button, they can start or join a **group** with eRoom's built-in, multi-threaded discussion. Items that have been changed since the user's last visit are clearly marked. eRoom provides a product development infrastructure that can be deployed quickly and easily. Because it is Web browser-based, there is no learning curve.

DESCRIPTORS: Groupware; Computer Conferencing; Document Management;  
Intranets; Internet Utilities; Public Networks

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Windows

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Cross Industry

PRICE: Available upon request

REVISION DATE: 990415

12/5/2 (Item 2 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01609005 DOCUMENT TYPE: Product

PRODUCT NAME: Supply Chain Planning 4.1 (609005)

Logility Inc (634191)  
470 E Paces Ferry Rd  
Atlanta, GA 30305 United States  
TELEPHONE: (404) 261-9777

RECORD TYPE: Directory

CONTACT: Jocelyn Harriston

Supply Chain Planning 4.1 is a powerful, full-featured logistics planning

system that gathers critical business information and puts it at the users' fingertips on the workstation. The system spans the functionality of multiple subsystems with many advanced features. The Demand Planning feature calculates **multi** -level forecasts (item and product **groups** ) in either units or dollars. A unique Pyramid structure provides sophisticated forecast accuracy and ease of management. The higher forecast levels lend stability to the forecast process and provide a convenient method for distributing desired forecasts to lower levels. The Replenishment Planning capability calculates a **time** -phased inventory and replenishment plan for each stockkeeping unit in finished goods inventory based upon the forecasts and management's inventory objects and policies. Continuous Replenishment uses EDI transactions to communicate information about inventory, item status and purchases so that suppliers can manage their customers' inventory. Manufacturing Planning integrates the replenishment plan and compares it to available inventory and capacity within the supply chain. Replenishment Planning output is reconciled to planned or **scheduled** MPS, MRP and Purchase plans.

DESCRIPTORS: Wholesalers; Distributors; Material Control; Material Requirements Planning; Manufacturing; Business Planning

HARDWARE: IBM PC & Compatibles; IBM RS/6000; HP 9000; UNIX; NCR

OPERATING SYSTEM: MS-DOS; OS/2; Windows NT; AIX; HP-UX; UNIX; Windows

PROGRAM LANGUAGES: COBOL

TYPE OF PRODUCT: Mini; Micro; Workstation

POTENTIAL USERS: Wholesale Distribution, Manufacturing, Public Utilities

DATE OF RELEASE: 01/92

PRICE: Available upon request; user-based pricing; terms defined in the perpetual license agreement

NUMBER OF INSTALLATIONS: 200

DOCUMENTATION AVAILABLE: Online documentation

TRAINING AVAILABLE: Training at vendor location; training; on-site training; telephone support; hotline support; technical support

SERVICES AVAILABLE: Conversion; consulting; custom programming; implementation

REVISION DATE: 980202

12/5/3 (Item 3 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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01573612 DOCUMENT TYPE: Product

PRODUCT NAME: PageMaster 1.6 (573612)

OmniTrend (608343)

15 Winchester Ct

Farmington, CT 06032 United States

TELEPHONE: (860) 678-7679

RECORD TYPE: Directory

CONTACT: Tom Carbone, Sales Rep

PageMaster 1.6 allows both manual and automatic paging to numeric and alphanumeric pagers. Users enter a list of pagers, and then selectively page single, **multiple** or predefined **groups** at a **time** . The software will monitor MAPI and VIM compliant e-mail (including Microsoft Mail and Lotus cc:Mail), and can send partial or entire e-mail messages to a pager. Mail filters allow the user to select which messages are sent to the pager by searching for keywords. The system also monitors Microsoft **Schedule +** reminder alarms, and issues the reminders to a pager. When entering appointments in **Schedule +**, users can set on-screen reminders for a specified **time** before the appointment. The software will intercept these reminders and send them to a pager. In addition, it will monitor a telephone line for a predetermined number of rings. When the number of

rings is received, a page is issued indicating a call has gone unanswered. Call monitoring, e-mail and **Schedule** + Reminder pages are sent only when either the screen saver is active or when monitoring has been manually activated. The automatic tie-in to the screen saver allows users to leave the system running all the time. When users leave their computer and the screen saver activates, it will begin monitoring.

DESCRIPTORS: Paging; Telecommunications; Telephone Monitoring Systems; E-Mail Utilities; Telephone Message Handling

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Windows; Windows NT

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro; Workstation

POTENTIAL USERS: Cross Industry

DATE OF RELEASE: 01/93

PRICE: \$49.95 - \$69.95; includes three months support

NUMBER OF INSTALLATIONS: 15000

DOCUMENTATION AVAILABLE: Online documentation

TRAINING AVAILABLE: Technical support; support contracts available

OTHER REQUIREMENTS: Window - 4MB, NT - 8MB, 95 - 12MB RAM; modem required

REVISION DATE: 960612

12/5/4 (Item 4 from file: 256)

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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01554294 DOCUMENT TYPE: Product

PRODUCT NAME: **INNOVATION! Team Project 2.0 (554294)**

WorkFlow Technologies Inc (600768)

13846 N 28th Pl

Phoenix, AZ 85032 United States

TELEPHONE: (602) 867-8078

RECORD TYPE: Directory

CONTACT: Elen Reynolds, Sales Dir

**INNOVATION! Team Project 2.0** is a true collaborative, workflow-enabled, platform-independent, project management system that is built entirely in Lotus Notes, but also offers tight integration with Microsoft Project. It provides the functional, charting and ease-of-use capabilities of traditional project management, and the ability to collaboratively manage and negotiate resources, relationships, **schedules** and the day-to-day operations of a project. Some of the system's features include: (1) **schedule**, resource and work management across single or **multiple groups** /companies; (2) integration of the functions of issue/action items into a full project management environment; (3) automatic creation of detailed project **schedules** from template **timeliness**; (4) workflow enabled request/response and workflow enabling with optional mail notification; (5) time recording, cost accounting and reporting for projects; (6) wide variety of views including Gantt charts for **schedules** and resources; and (7) complete logging of all proejct changes and activities.

DESCRIPTORS: Groupware; Project Management; Workflow; Network Software; Scheduling

HARDWARE: IBM PC & Compatibles; Apple Macintosh; UNIX

OPERATING SYSTEM: Windows; Windows NT; OS/2; UNIX; MacOS; Lotus Notes

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Lotus Notes Users, Cross Industry

DATE OF RELEASE: 07/95

PRICE: \$5,995 - one server with unlimited attached/remote seats; includes

support for two incidents

DOCUMENTATION AVAILABLE: Online documentation  
TRAINING AVAILABLE: Training; technical support  
OTHER REQUIREMENTS: 8MB RAM; Lotus Notes required  
REVISION DATE: 950831

**12/5/5 (Item 5 from file: 256)**  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00113666 DOCUMENT TYPE: Review

PRODUCT NAMES: Eudora Planner 4.0 (706108); Day- Timer Organizer 2000 (733652)

**TITLE:** The Web-able PIM  
**AUTHOR:** Crowe, Elizabeth Powell  
**SOURCE:** Computer Currents, v16 n22 p93(2) Nov 17, 1998  
**ISSN:** 8756-0046  
**Homepage:** <http://www.currents.net>

RECORD TYPE: Review

REVIEW TYPE: Product Comparison

GRADE: Product Comparison, No Rating

Personal information managers (PIMS) help users get organized with a host of features, and hooks to the World Wide Web and intranets. Two excellent choices are QUALCOMM's Eudora Planner 4.0 and Day-Timer's Day-Timer Organizer 2000. Eudora Planner includes a Group Planner server, which lets multiple users share a master calendar and address book over the network. Setup is simple. Eudora offers powerful group scheduling facilities. Also, users enjoy one-click access to the major functions from the Windows taskbar without having to open the program first. Eudora will import an address book and calendar from Outlook with only a few clicks, and it can export data in comma-delimited format. Eudora uses a blotter calendar metaphor, with a default monthly view. It is highly interactive, and it is easy to drag-and-drop appointments or contacts between the browser and Eudora Planner. Day-Timer Organizer offers a simple but powerful interface that looks like the traditional paper-based Day-Timer. However, this interface means that a new window has to be opened for every view. It can import information from several other programs, including Outlook, Schedule +, and Symantec's ACT!, and it is not necessary to map fields between databases.

COMPANY NAME: QUALCOMM Inc (574244); Day-Timer Inc (592552)  
DESCRIPTORS: Personal Information Management; Time Management; Desk Accessories; Windows; IBM PC & Compatibles; Intranets; Calendars; Internet Utilities; Public Networks  
REVISION DATE: 990330

**12/5/6 (Item 6 from file: 256)**  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00096879 DOCUMENT TYPE: Review

PRODUCT NAMES: ClockMan95 Windows 95 & Windows NT (645061)

**TITLE:** Windows Wake-Up Call  
**AUTHOR:** Rubenking, Neil  
**SOURCE:** PC Magazine, v15 n20 p60(1) Nov 19, 1996  
**ISSN:** 0888-8509  
**Homepage:** <http://www.pcmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Graphical Dynamics' ClockMan95 **schedules** alarms and automates common tasks. The alarm can send keystrokes to the program activated or can trigger a command script. ClockMan95 supports LAN-based **group** scheduling and allows **multiple** alarm sets to be set up. Each alarm goes off at a certain **time** on one or multiple days defined in the When dialog box. It can also play a WAV file or make a series of beeps. Users can fine-tune scheduling with a World Wide Web Interface Language script. Three of five supported message types allow the user to control over the alarm's action. The user must press OK to activate Announcement and Confirm, and Confirm also allows users to cancel **scheduled** tasks. CountDown messages request confirmation, but ClockMan executes the associated task automatically after a particular **time**. Invisible and **TimeSquare** messages play the alarm sound and execute actions. **TimeSquare** scrolls message text in an active window's title bar, but the feature created multiple access violations under Windows 95 during testing, and sometimes showed text incorrectly. ClockMan95 is a much better program than System Agent, which is part of the Windows 95 Plus! Pack.

PRICE: \$80

COMPANY NAME: Graphical Dynamics Inc (625698)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: System Utilities; **Time** Measurement; IBM PC & Compatibles; Network Software; Local Area Networks; Job Monitoring; Windows; Windows NT  
REVISION DATE: 980228

12/5/7 (Item 7 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00090766 DOCUMENT TYPE: Review

PRODUCT NAMES: Lotus Notes (702137); GroupSystems (356204); TALKShow (457442); Meeting Maker XP (431354); Enterprise Document Management System (505072)

TITLE: Getting a Grip on Groupware  
AUTHOR: Williamson, Mickey  
SOURCE: CIO, v9 n10 p32(5) Mar 1, 1996  
ISSN: 0894-9301  
HOMEPAGE: <http://www.cio.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Groupware and collaborative software are enjoying tremendous popularity. Lotus, the most popular groupware product, establishes an asynchronous discussion platform and collaboration between multiple users. However, it is complicated to administer and has high resource demands. For those users who want to use fewer of groupware's features, products like ON Technology's Meeting Maker XP focus on one aspect of **groupware**. Meeting Maker lets **multiple** users keep their calendars up to date, **schedule** meetings, and find mutually convenient **times** for meetings. Ventana's GroupSystems meeting management package can record all ideas presented, comments made, or votes taken at a meeting, and whiteboard products like Future Labs' TalkShow permit two people to communicate from remote sites, see each other, and share documents. Documentum's Documentum EDMS products help manage those documents, by adding indexing and search capabilities.

COMPANY NAME: Lotus Development Corp (254975); Ventana Corp (520471);

Quarterdeck Corp (562734); ON Technology Corp (484229); Documentum Inc (580392)

DESCRIPTORS: Document Management; Network Software; Groupware; Lotus Notes ; Scheduling; Computer Conferencing

REVISION DATE: 980830

12/5/8 (Item 8 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00083290 DOCUMENT TYPE: Review

PRODUCT NAMES: GroupWise XTD (709255)

TITLE: Novell to Cue Up Notes Alternative  
AUTHOR: Darrow, Barbara  
SOURCE: Computer Reseller News, v642 p65(2) Aug 7, 1995  
ISSN: 0893-8377  
HOMEPAGE: <http://www.crn.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Novell is repositioning its GroupWise product as a direct competitor against Lotus Notes. The next version, **GroupWise XTD**, will offer **several** new features and a replication model that will at least be equivalent to that found in Lotus Notes. Novell has backed away from extensive GroupWise/Notes collaboration. XTD will provide server-to-server replication, as well as bidirectional replication between servers and clients. Notes uses a **scheduled** replication method, whereas Novell will include a **real-time** replication technique to enable a discussion to be replicated in **real time** to all participants. GroupWise is a set of modular products for messaging, calendaring, and scheduling. Initially, XTD will be a NetWare add-on. In the future, the XTD back end will be built directly into NetWare.

COMPANY NAME: Novell Inc (344893)

DESCRIPTORS: Groupware; Network Software; Computer Conferencing; Local Area Networks; Scheduling; NetWare/OS; Novell

REVISION DATE: 980930

12/5/9 (Item 9 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00079728 DOCUMENT TYPE: Review

PRODUCT NAMES: CreativePartner (573779)

TITLE: CreativePartner  
AUTHOR: Hoffer, Avi  
SOURCE: Macworld, v12 n7 p69(1) Jul 1995  
ISSN: 0741-8647  
HOMEPAGE: <http://www.macworld.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

emotion's CreativePartner is a tool for creative **group multimedia** collaboration. The networking solution lets collaborators share comments over QuickTime movies with its unique annotation system. Comments are stored in a separate overlay file, so the original movie file does not have to be sent for each change. It also logs all exchanges for tracking, and

can schedule delivery times and batch transfers. If a connection is lost, the software will reestablish it and continue transmitting from the same point where connection was lost. Although its distribution and reviewing capabilities are convenient, there are no tools for compositing or making rough edits without having to turn the movie into a complex standalone program. Also, there are no scripting features, and users cannot set folders of data.

PRICE: \$1500

COMPANY NAME: emotion Inc (607126)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Multimedia; Network Software; Groupware; Computer Conferencing; Apple Macintosh; Video Recording

REVISION DATE: 951130

12/5/10 (Item 10 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00079575 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Schedule+ for Windows (398136); Lotus Organizer 2.0 (393991); GroupWise 4.1 (709255); Network Scheduler 3 (250562); OnTime (277312)

TITLE: It's About Time

AUTHOR: Dellecave, Tom, Jr.

SOURCE: Information Week, v525 p52(7) May 1, 1995

ISSN: 8750-6874

HOMEPAGE: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Group scheduling software is becoming more important to organizations as LAN technology provides the ability to collaborate to a greater degree. Products such as Campbell's OnTime let users share calendars and **schedules**, and monitor other business activities. OnTime is provided as a standalone application; other products, such as Novell's GroupWise 4.1, are included in a larger groupware suite. Microsoft's **Schedule +** will be part of the Microsoft Office for Windows 95 suite, and Lotus Organizer 2.0 is included in Lotus' SmartSuite. Organizer offers **several** PIM functions with the **group** scheduling facilities. GroupWise includes both scheduling and calendaring. CE Software's Network **Scheduler 3** is very easy to use, and compatible with multiple networks and e-mail systems due to its compliance with X.400 standards.

COMPANY NAME: Microsoft Corp (112127); Lotus Development Corp (254975); Novell Inc (344893); CE Software Inc (232921); OpenText Corp (640204)

SPECIAL FEATURE: Graphs Buyers Guides

DESCRIPTORS: Groupware; Network Software; Local Area Networks; Scheduling; Time Management; Calendars; Electronic Mail (E-Mail); Office Automation

REVISION DATE: 980930

12/5/11 (Item 11 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00073406 DOCUMENT TYPE: Review

PRODUCT NAMES: OnTime for Windows Enterprise for NetWare (330434); Lotus

Organizer 2.0 (393991); CaLANDar 3.00.05 (558915)

**TITLE:** Group-scheduling packages can connect far-flung users  
**AUTHOR:** Kramer, Matt  
**SOURCE:** PC Week, v12 n1 p85(4) Jan 9, 1995  
**ISSN:** 0740-1604  
**HOME PAGE:** <http://www.pcweek.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Comparison  
**GRADE:** Product Comparison, No Rating

Three group scheduling packages are compared. All the products maintain personal calendars and coordinate meetings, project deadlines, and **schedules**. However, tools and network infrastructure vary. OnTime Enterprise for NetWare 1.5 (recommended for NetWare and VINES installations needing automated scheduling) supports many e-mail systems and has client/server functions for real-time coordination of **groups schedules**. Organizer 2.0 merges many productivity tools with **group** scheduling, and has an easy to learn graphical user interface (GUI). Some real-time scheduling functions are possible with dynamic network connections. Only Lotus Notes and cc:Mail messaging are supported, and remote user network integration is limited. CaLANDar 3.00.05 also supports many e-mail systems and operating systems, with strong group scheduling and productivity tools, including task assignment by expertise.

**COMPANY NAME:** OpenText Corp (640204); Lotus Development Corp (254975); Learning Co (481955)  
**SPECIAL FEATURE:** Screen Layouts Buyers Guides  
**DESCRIPTORS:** Scheduling; Network Software; Groupware; Electronic Mail (E-Mail); Client/server  
**REVISION DATE:** 980617

12/5/12 (Item 12 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00066731 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Company - CE Software Inc (857246); Company - Powercore Inc (853518)

**TITLE:** Merger Spawns New Workgroup Apps  
**AUTHOR:** Girishankar, Saroja  
**SOURCE:** Communications Week, v507 p9(2) May 30, 1994  
**ISSN:** 0746-8121

**RECORD TYPE:** Review  
**REVIEW TYPE:** Company

CE Software is integrating its workgroup software and e-mail system with Powercore group calendaring/scheduling code. CE Software acquired Powercore in May 1994. Several workgroup applications under the **CE Groupware** Architecture umbrella were announced by Ford Goodman, Chairman and CEO of CE Software. Goodman describes the products as workgroup applications that add contact, project, and resource management functions to the electronic day-planner view of the user's day, while employing and supporting enterprise messaging and database functions. Products to be released in 1994-1995 include Network **Scheduler** 3 with an object-oriented (OO) address book and contact management functions, along with Day Teamer, which gives Network **Scheduler** the added management functions. Initial platforms supported are Mac, MS-DOS, and Microsoft Windows, with a Motif version soon to follow.

**COMPANY NAME:** CE Software Inc (232921); Powercore Inc (476366)  
**DESCRIPTORS:** Groupware; Electronic Mail (E-Mail); Network Software;

Personal Information Management; Time Management; Software Marketing  
REVISION DATE: 970930

12/5/13 (Item 13 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00062683 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Schedule+ (338176); OnTime IVR (277312);  
Network Scheduler 3 3 2.1 (250562); Meeting Maker XP (431354); CaLANDar  
(558915)

TITLE: Group-Scheduler Agenda

AUTHOR: Schurr, Amy

SOURCE: PC Week, v11 n13 pN/5(1) Apr 4, 1994

ISSN: 0740-1604

HOMEPAGE: <http://www.pcweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Group scheduling product markets will grow as users become more comfortable with e-mail. According to industry studies, the number of group-scheduler licenses will increase by over 300 percent between 1993 and 1996. Products like Schedule +, which is closely integrated with Microsoft Mail, and OnTime Interactive Voice Response System, increase productivity with remote access, calendaring, and text-to-speech conversion functions. Network Scheduler 3 2.1 has an Executive Mode that pulls data from a group scheduling, online, multi-user database, for work off-line. When the user signs on to the network from a remote PC, the product replicates changes over all affected servers. MeetingMaker XP is a cross-platform scheduler that supports DOS, Microsoft Windows, and the Mac. CaLANDer Satellite is a version of a group scheduler that runs on a remote PC or laptop, allowing the user to synchronize data automatically from the remote location.

COMPANY NAME: Microsoft Corp (112127); OpenText Corp (640204); CE Software Inc (232921); ON Technology Corp (484229); Learning Co (481955)

SPECIAL FEATURE: Tables Graphs

DESCRIPTORS: Groupware; Scheduling; Network Software; Time Management; IBM PC & Compatibles; Apple Macintosh; Windows; Laptop Software; MS-DOS; Local Area Networks

REVISION DATE: 980617

12/5/14 (Item 14 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00050580 DOCUMENT TYPE: Review

PRODUCT NAMES: DateBook Pro 2.0 (392456)

TITLE: Datebook Makes Jump to Pro League; Features Improved Interface...

AUTHOR: Sullivan, Jeffrey

SOURCE: MacWEEK, v7 n23 p47(2) Jun 7, 1993

ISSN: 0892-8118

HOMEPAGE: <http://www.macweek.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

Datebook Pro 2.0 is a major upgrade to the personal time management

package. A memo item has been added to Events and To-Dos, a welcome enhancement. A revised user interface is better-looking, more flexible, and more consistent. Color icons, banners, and program controls give the user interface 3D interest. Holidays can be customized with options for display, and recurring-events scheduling is very flexible. Datebook Pro does not supports **group** scheduling and **multiple schedule** reconciliation, a major function found in a competing product, Now Up-to-Date. However, Datebook Pro's navigation function is superior to Now Up-to-Date's, with a Go To command that allows selection of any day of the year with a double click. The Searchlight button allows the user to see search results in any view. For example the user can choose to look at weeks, or eight hour periods in a day. Datebook Pro integrates with After Hours's Touchbase Pro, a personal information manager (PIM).

PRICE: \$80

COMPANY NAME: After Hours Software (422665)

SPECIAL FEATURE: Charts

DESCRIPTORS: Calendars; Time Management; Apple Macintosh; Desk Accessories; Scheduling

REVISION DATE: 940330

12/5/15 (Item 15 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00044255 DOCUMENT TYPE: Review

PRODUCT NAMES: CaLANdar (558915); Futurus TEAM Combo (418307); Higgins (900255); Microsoft Schedule+ (338176); Network Scheduler 3 (250562); OnTime for Windows (330434); SuperTime (338036); Synchronize (326496); WordPerfect Office (605778)

TITLE: Getting the Team Together: LAN Group Schedulers Grow Up

AUTHOR: Miley, Michael

SOURCE: Corporate Computing, v1 n6 p197(3) Dec 1992

ISSN: 1065-8610

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Automated software calendars and group **schedulers** are available that can end the morass of messages that pass in the night as project teams attempt, often fruitlessly, to arrange conference locations and equipment reservations. A team leader can use such products to view each participant's calendar, determine optimum meeting **times**, and send invitations. RSVPs are tracked and each project member's calendar is automatically updated. As with many innovative **groupware** programs, across-the-board commitment and belief in the value of the software is necessary for success. The advantages of automated calendaring are described, and the following topics are discussed: cultural issues, e-mail links, administration of the system, making meetings happen, group-to-do lists, and the future of group scheduling packages.

COMPANY NAME: Learning Co (481955); Futurus Corp (448796); Enable Software Inc (327239); Microsoft Corp (112127); CE Software Inc (232921); OpenText Corp (640204); SuperTime Inc (512842); CrossWind Technologies Inc (501361); Corel Corp (421723)

SPECIAL FEATURE: Charts

DESCRIPTORS: Calendars; Groupware; Network Software; Local Area Networks; Time Management; Scheduling

REVISION DATE: 980617

12/5/16 (Item 16 from file: 256)

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)1999 Info.Sources Inc. All rts. reserv.

00030462 DOCUMENT TYPE: Review

PRODUCT NAMES: IBM OfficeVision/400 (329193)

TITLE: OfficeVision/400 -- Features and Functions

AUTHOR: May, Ted

SOURCE: Midrange Computing, v9 n7 p44(4) Nov 1991

ISSN: 1052-3561

HOME PAGE: <http://www.midrangecomputing.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

OfficeVision/400, the comprehensive automated office product for AS/400, offers word processing, database manipulation, integration of files and documents, e-mail, and calendaring. The menu is not well organized, but users can develop their own. The calendar allows you to **schedule** meetings, events, and the running of a computer program. The system can **group several** people in a list and advise them of calendar conflicts. Mail is either local or remote, and can be sent to any computer in an AS/400 or S/36 network. The word processor supports tables of contents, indexes, and labels, and can retrieve records from an external file or query. Printing options are good. Business Graphics Utility enables you to create charts and graphs, and output them on a plotter or IPDS printer. Query/400 offers a simple way to query database files. OfficeVision can consume a lot of disk space, especially in word processing. The product is difficult for the first **timer**, but accomplished users like it.

COMPANY NAME: IBM Corp (351245)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: IBM AS/400; Office Automation; Office Suites; Database Management; Word Processing; Electronic Mail (E-Mail); Groupware; Calendars; Page Composition; Network Software; Query & Retrieval Systems; Business Graphics; Information Retrieval

REVISION DATE: 980530

12/5/17 (Item 1 from file: 278)

DIALOG(R)File 278:Microcomputer Software Guide  
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0021252

3142590XX STATUS: ACTIVE ENTRY

TITLE: Salary Magic

VERSION: 2.0

COMPATIBLE HARDWARE: Apple Macintosh

MEMORY REQUIRED: 512k

PRICE INFORMATION:

3.5" disk 495.00

ANNOTATION: This Salary Management & Salary Negotiations Management Package Calculates, Records & Prints Virtually Any Information Needed at the Negotiating Table or for Salary Planning. Salaries, Fringe Benefit Packages, Changes (Increase or Decrease), or Completely New Salary Schedules or Guides Can Be Generated Using Dollars, Percentages, or a Combination of Both. Salary Information Can Be Generated in a Schedule of up to 30x40 Cells. Includes Rounding, Customizable Referencing, Off-Schedule Placement, & Calculating a Maximum Base from a Fixed Budget. Up to 20 Fringe Benefits Can Be Entered As a Percentage, a Dollar Amount, or Both. Calculation Options Recreate an Organization's Current Fringe Package Precisely. Selection Options Allow for Multiple Benefit Groups & for the Addition of New Fringes at Any Time. Employee Information May Be Entered in Two Ways. Specific Information for Each Employee May Be Entered, Including Additional Pay, Fringe & Insurance Information, & Cost Code

DESCRIPTORS: BUSINESS MANAGEMENT - OFFICE MANAGEMENT

descriptor codes: 10003654

PUBLISHER: Magic Software, Inc.; Magic Soft

ADDRESS: 12138 Del Verde

Yuma, AZ 85367

TEL.: 520-342-7496

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\* File 8: Ei Compendex(R) 1970-1999/May W1  
 (c) 1999 Engineering Info. Inc.  
 File 77: Conference Papers Index 1973-1999/May  
 (c) 1999 Cambridge Sci Abs  
 File 238: Abs. in New Tech & Eng. 1981-1999/Apr  
 (c) 1999 Reed-Elsevier (UK) Ltd.  
 File 35: Dissertation Abstracts Online 1861-1999/May  
 (c) 1999 UMI  
 File 202: Information Science Abs. 1966-1999/Jan  
 (c) Information Today, Inc  
 File 65: Inside Conferences 1993-1999/May W2  
 (c) 1999 BLDSC all rts. reserv.  
 File 2: INSPEC 1969-1999/May W1  
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 File 94: JICST-EPlus 1985-1999/Feb W2  
 (c) 1999 Japan Science and Tech Corp (JST)  
 File 233: Microcomputer Abstracts 1974-1999/May  
 (c) 1999 Information Today Incl.  
 File 6: NTIS 64-1999/Jun W1  
 Comp&distr 1998 NTIS, Intl Copyright All Righ  
 File 144: Pascal 1973-1999/Apr  
 (c) 1999 INIST/CNRS  
 File 99: Wilson Appl. Sci & Tech Abs 1983-1999/Apr  
 (c) 1999 The HW Wilson Co.  
 File 34: SciSearch(R) Cited Ref Sci 1990-1999/May W2  
 (c) 1999 Inst for Sci Info  
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 1998 Inst for Sci Info

Set	Items	Description
S1	41908	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	14220	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	292	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP (N2) GROUP?) (N4) (- RETRIEV?)
S4	163672	SCHEDULE? ? OR SCHEDULER? ?
S5	47078	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M- ULTITUDE?) (N5) GROUP?
S6	12	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	536	S4 AND S5
S10	6	S9 AND S2
?		

Bibliographic

C

10/7/1 (Item 1 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
(c) 1999 Engineering Info. Inc. All rts. reserv.

03874258 E.I. No: EIP94031236989

Title: Scheduling algorithm for flexible flow lines with limited intermediate buffers

Author: Sawik, Tadeusz J.

Corporate Source: Univ of Mining and Metallurgy, Cracow, Pol

Source: Applied Stochastic Models and Data Analysis v 9 n 2 Jun 1993. p 127-138

Publication Year: 1993

CODEN: ASMAEM ISSN: 8875-0024

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9407W4

Abstract: A new heuristic algorithm is proposed for scheduling a flexible flow line with limited in-process buffers. The line is made up of a certain number of processing stages. Each stage has one or more identical parallel machines with limited buffers. Each part is processed by at most one machine in each stage. The problem objective is to minimize the makespan of the schedule for a set of part types selected for processing. The computational results for a set of test problems used in the literature are reported. In addition, the efficiency of the algorithm is tested on several groups of random problems. (Author abstract) 8 Refs.

10/7/2 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abstracts Online  
(c) 1999 UMI. All rts. reserv.

1078821 ORDER NO: AAD89-25153

AN EVALUATION OF ALTERNATE SEQUENCING METHODS FOR BALANCING MIXED MODEL ASSEMBLY LINES (ASSEMBLY LINES)

Author: LABACH, ELAINE JANICE

Degree: PH.D.

Year: 1989

Corporate Source/Institution: INDIANA UNIVERSITY (0093)

CHAIR: JAMES H. PATTERSON

Source: VOLUME 50/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2151. 169 PAGES

Mixed model assembly lines are found in the production of high-option content consumer goods, such as automobiles and appliances. Most automobile final assembly lines, for example, are characterized as being mixed model lines, where several different models of basic product group are intermixed and assembled simultaneously on a common production line. Because the mixed model assembly line is capable of handling any product/option combination, mixed model assembly must consider allocating tasks to work stations efficiently and the effect of model sequencing on assembly line performance. Due to the complexity of balancing work among work stations and limited equipment and operator capacity, there is a tendency in practice to have an oversupply of operators and machine capacity in scheduling to meet peak work flow resulting from a given assembly sequence.

This research focuses on both the balancing and sequencing issues of mixed model assembly, and statistically assesses heuristic balancing and sequencing procedures for scheduling mixed model production lines. The approach taken in this assessment is to develop a generic model, with actual data from a mixed model production line being used to assess line performance.

Daily schedules are evaluated using three variations of sequencing rules, four single-model line balancing procedures, and three work content allowances. Sequencing heuristics evaluated consist of: the current method of sequencing; a proposed sequence, where attributes found on some of the model-option combinations are spaced apart in equal intervals; and a sequence generated probabilistically. The line balancing procedures tested

consist of a biased random rule, a backtracking approach and a truncated optimization procedure, as these methods are reported as superior in several comparative studies of the line balancing problem. Three levels of allowable work content are used in conjunction with the balancing techniques to establish line design. The levels include maximum, average and weighted average computations for optional content assembly tasks. Each of the scheduling rules is evaluated on the ability to generate **schedules** with low total station **idle time**, minimum overcycle conditions, few setups and low computation time. Analysis of variance tests and multiple comparison methods are employed to distinguish which sequencing and balancing rules are superior in satisfying these measures of line performance.

10/7/3 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abstracts Online  
(c) 1999 UMI. All rts. reserv.

0975512 ORDER NO: AAD87-28282  
**REDUCING THE NO-SHOW RATE TO SCHEDULED APPOINTMENTS WITH ABUSIVE/NEGLECTFUL FAMILIES RECEIVING HOME-BASED SERVICES**  
Author: MCGIMPSEY, BONNE J.  
Degree: RH.D  
Year: 1987  
Corporate Source/Institution: SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE (0209)  
Source: VOLUME 48/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3116. 103 PAGES

The appointment-keeping rate of abusive/neglectful families receiving home-based counseling services was examined. The baseline phase indicated that families failed to keep 24.4% of their **scheduled** appointments (i.e., no-shows). Approximately 40 families served by Project 12-Ways were randomly assigned to one of four treatment groups. Families in the Calendar group were provided a monthly calendar that was posted in their homes, on which the counselors wrote the date and time of the next **scheduled** appointment. Families in the Free-meal group earned a ticket for a monthly **free** -meal drawing each **time** they attended a **scheduled** session. Families in the Combined group received the calendar plus the free-meal tickets. The fourth group (Current Practice) served as the experimental control group, and the families received no special prompts or incentives for attending their sessions. Using a **multi -group** pretest-posttest design, the data were analyzed by an analysis of covariance procedure. The results indicated no statistically significant difference in the no-show rate between the groups. The reliability of the dependent variable and the integrity of the independent variable were estimated to be over 96%. Cost analyses showed that while the Current Practice procedure was the least expensive to implement, the Calendar procedure was more cost-effective. Further analysis showed that even a small decrease in the number of no-shows may reduce the cost of each service hour rendered by approximately \$15. Information on the clinical importance of the results of this study was obtained from administrators of other agencies that provide home-based services.

10/7/4 (Item 3 from file: 35).  
DIALOG(R)File 35:Dissertation Abstracts Online  
(c) 1999 UMI. All rts. reserv.

736341 ORDER NO: AAD81-01909  
**SELECTED CHARACTERISTICS OF OLDER ADULT READERS AND NONREADERS**  
Author: KIDO, ELISSA  
Degree: ED.D.  
Year: 1980  
Corporate Source/Institution: BOSTON UNIVERSITY SCHOOL OF EDUCATION (0851)  
Source: VOLUME 41/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

This exploratory study was designed to investigate, describe, and compare the mental function, adjustment, life satisfaction, physical health, and leisure activities of older adult readers and nonreaders. The study included 30 noninstitutionalized individuals 65 years and older who met the criteria for inclusion in the study. The procedures consisted of a screening process and a lengthy interview schedule. Information was gathered and test measures were taken using the following instruments: (1) Shipley-Institute of Living Scale for Measuring Intellectual Impairment; (2) Bell Adjustment Inventory (Adult Form); (3) Life Satisfaction Index A; (4) A physical health questionnaire; and (5) A daily and monthly leisure activities survey.

A comparison of the 17 readers and 13 nonreaders who participated in the study showed that there were differences between the two groups. In mental functioning, the readers had higher conceptual quotient, abstract reasoning, and vocabulary scores. The nonreaders' conceptual quotients declined with advancing age, thus suggesting a decrease in the ability to reason abstractly. On the other hand, the readers' ability to reason abstractly remained relatively constant with age. The greatest difference, therefore, occurred in the conceptual quotients of the readers and nonreaders who were 76 years and older.

In adjustment and life satisfaction, the readers tended to be better adjusted than the nonreaders and more satisfied with their present and past lives. The differences between the two groups were especially evident in the areas of health, social, and emotional adjustment where the readers had "good" adjustment and the nonreaders had "average" adjustment.

In physical health, the readers had fewer health problems, the difference between the two groups being most pronounced in the 76 years and older age group. Twice as many nonreaders as readers had cardiovascular problems. In addition, a large percentage of nonreaders were overweight, whereas most of the readers were within their weight limits. Problems with vision were prevalent among both groups.

In leisure activities, the readers participated in a greater variety of activities than the nonreaders. Also, a much larger percentage of readers than nonreaders engaged in educational and cultural activities. Even though the readers spent the largest proportion of their daily leisure time in reading activities, they were also physically and socially active. In contrast, the nonreaders, who spent most of their free time watching television, engaged in no physical leisure activities and in fewer social activities than the readers.

10/7/5 (Item 1 from file: 233)  
DIALOG(R) File 233:Microcomputer Abstracts  
(c) 1999 Information Today Incl. All rts. reserv.

00312635 93PW05-019

Meeting Maker makes things happen

Fryer, Bronwyn

PC World , May 1, 1993 , v11 n5 p84, 1 Page(s)

ISSN: 0737-8939

Company Name: On Technology

Product Name: Meeting Maker XP

Presents a very favorable review of Meeting Maker XP (5-user pack priced between \$500 and \$700), a scheduling program from On Technology (800, 617). The program has a Propose Meeting feature which schedules a meeting time, invites guests, reserves a meeting place, and can show who will attend, who will not, and who is not sure. It can display the calendars of everyone in a group or use an Auto Pick feature to locate the first free time slot. The program also offers project management capability. Unlike many other group schedulers , this program will run on any E-mail system. The program is also available in versions for 10 and 50 users, but pricing for those versions has not been set. Includes one screen display. (djd)

10/7/6 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 1999 Inst for Sci Info. All rts. reserv.

00879653 Genuine Article#: FD439 Number of References: 14

Title: PSYCHOSOCIAL SUPPORT FOR COSMONAUTS

Author(s): KANAS N

Corporate Source: VET ADM MED CTR, PSYCHIAT SERV, 4150 CLEMENT ST/SAN FRANCISCO//CA/94121; DEPT VET AFFAIRS MED CTR/SAN FRANCISCO//CA/00000

Journal: AVIATION SPACE AND ENVIRONMENTAL MEDICINE, 1991, V62, N4, P353-355

Language: ENGLISH Document Type: NOTE

Abstract: Based on a meeting with members of the Psychological Support **Group** for cosmonauts, along with **several** referenced documents, the author summarizes the Soviet experience in dealing with psychological and interpersonal factors related to long-duration space missions. Cosmonaut selection and training procedures following the principle of "neuropsychological resistance" formulated by F. D. Gorbov. Inflight monitoring uses the macroanalysis of crew speech characteristics as an indicator of psychological state. Psychosocial problems include "asthenia" and interpersonal tension. Support efforts focus on enhancing behavioral and autonomic adaptation, planning flexible work/rest **schedules**, improving the space station environment, arranging relevant **free time** activities, and helping crews readjust to Earth postflight. Attention is paid to changes in cosmonaut preferences and sensitivities as the mission progresses. The use of support activities is believed to be positively associated with the health and performance of cosmonaut space crews.

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File 351:DERWENT WPI 1963-1999/UD=9918;UP=9918;UM=9918

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File 344:Chinese Patents ABS Apr 1985-1999/Feb

(c) 1999 European Patent Office

File 347:JAPIO Oct 1976-1998/Nov. (UPDATED 990312)

(c) 1999 JPO & JAPIO

Set	Items	Description
S1	30901	MULTI()STAG? OR MULTIPLE?(N2)STAG? OR MULTISTAG?
S2	6795	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	241	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2)GROUP?) (N4) (-RETRIEV?)
S4	16665	SCHEDULE? ? OR SCHEDULER? ?
S5	14759	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M-ULTITUDE?) (N5) GROUP?
S6	1	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	17	(S5 OR S3) AND S2
S10	1	S9 AND SCHEDUL?
?		

Patents

10/7/1 (Item 1 from file: 351)  
DIALOG(R) File 351:DERWENT WPI  
(c)1999 Derwent Info Ltd. All rts. reserv.

011860109 \*\*Image available\*\*

WPI Acc No: 98-277019/199825

Multistep idle time search system for schedule management of conference in office - in which schedules corresponding to several subscribers stored in computer are divided into several groups and common idle time from schedules of certain group is searched, in multisteps

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 10091685 A	19980410		JP 96244472 A	19960917		G06F-017/60	199825 B

Priority Applications (No Type Date): JP 96244472 A 19960917

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
JP 10091685 A				7			

Abstract (Basic): JP 10091685 A

The system includes several subscriber terminals (101,102) which are connected mutually. A computer is used for transmission and reception of data between these terminals. The **schedule** corresponding to each subscriber is independently stored by the computer using which **schedule** management is enabled.

The stored **schedules** are divided into **several groups** . The common **idle time** from the **schedules** of certain group is searched. Then, based on the searched **idle time** , the **idle time** from the **schedules** of another group is searched.

ADVANTAGE - Reduces search time and burden on sponsor.

Dwg.1/8

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-017/30

?

11/7/1 (Item 1 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
(c)1999 Derwent Info Ltd. All rts. reserv.

011971590 \*\*Image available\*\*  
WPI Acc No: 98-388500/199833

**Allocation of bandwidth for multimedia service dependent on traffic conditions - specifying total number of service groups within network, determining number of users in each group and average idle time and average burst time for each state, setting price per unit time and partitioning bandwidth to groups**

Patent Assignee: NORTHERN TELECOM LTD (NELE )

Inventor: ABU-MARA H H; KOTAMARTI V

Number of Countries: 019 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9829992	A1	19980709	WO 97US24216 A		19971229	H04L-012/56	199833 B

Priority Applications (No Type Date): US 96775157 A 19961231

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
WO 9829992	A1	E	23				

Designated States (National): CA US

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Abstract (Basic): WO 9829992 A

The method for the efficient allocation of bandwidth for a number of heterogeneous telecommunication services under aggregate traffic conditions in a network having a shared transmission medium involves partitioning the services into a number of service groups. A selected portion of bandwidth within the shared transmission medium is assigned to an associated one of the service groups. Each service group may contain multiple different

types of communication traffic.

Bandwidth is allocated within the assigned selected portion to services within an associated service group on a first-come first-served basis. The partitioning of the service groups involves assigning each service to a particular group depending on a price per unit time for each service.

USE - E.g. for video conferencing, video/movies-on-demand as well as data and voice communications.

ADVANTAGE - Provides improved network design for shared transmission medium. Maximise long-term revenue.

Dwg.2/3

Derwent Class: W01

International Patent Class (Main): H04L-012/56

International Patent Class (Additional): H04Q-011/04

11/7/2 (Item 2 from file: 351)

DIALOG(R)File 351:DERWENT WPI  
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010554723 \*\*Image available\*\*  
WPI Acc No: 96-051676/199606

**VOD appts. for high-capacity storage and multi-user playback - divides video titles into predefined segments and stores in groups in different media and is controlled by logic which permits, among other features, multiple playback of same item without duplicating storage**

Patent Assignee: AT & T CORP (AMTT ); AMERICAN TELEPHONE & TELEGRAPH CO (AMTT )

Inventor: CURTIN C S; LEUNG W F; MAI K; MAI K B; MILLEVILLE J D; RUAN Z

Number of Countries: 013 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week

EP 690626 A2 19960103 EP 95304280 A 19950620 H04N-007/173 199606 B  
JP 8087865 A 19960402 JP 95186544 A 19950630 G11B-027/00 199623  
CN 1115949 A 19960131 CN 95107634 A 19950629 H04N-005/76 199741

Priority Applications (No Type Date): US 94269233 A 19940630

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 690626 A2 E 10

Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

JP 8087865 A 10

Abstract (Basic): EP 690626 A

The appts. stores data representing several video items, the data for each item is divided into segments. The apparatus includes a data store (22 to 24) for storing the segments in **several groups**. A decision tree is stored which defines the various combinations of the segments.

The segments are delivered (28 to 30) collectively to a network in response to requests and in accordance with the content of the decision tree. A specific program is requested and some of the storage media is accessed. Data is read from it and delivered to the network. Controller determines if there the data is complete, if not a second portion of storage media is accessed and the data delivered to the media, until all the data is delivered.

**ADVANTAGE** - Allows creation of special versions of titles, e.g. PG-rated versions of R-rated films. Titles accessible in real-time. Minimises required storage space. Important items are available at all times and are **free** from system failure. Items can be placed in parallel storage units to meet customer demands.

Dwg.1/5

Derwent Class: W02; W04

International Patent Class (Main): G11B-027/00; H04N-005/76; H04N-007/173

International Patent Class (Additional): G06F-013/00; G11B-020/10;

G11B-027/10

11/7/3 (Item 3 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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009620039

WPI Acc No: 93-313588/199340

**Ink-jet recording method for colour printing - completing recording on area by main scans while executing thinning print operations with one colour printed in different arrangement from others**

Patent Assignee: CANON KK (CANO )

Inventor: GOTOH F; HIRABAYASHI H; KOITABASHI N; MATSUBARA M; NAGOSHI S; SUGIMOTO H; UETUKI M

Number of Countries: 018 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 564252	A2	19931006	EP 93302493	A	19930330	H04N-001/18	199340 B
JP 5278231	A	19931026	JP 9277410	A	19920331	B41J-002/21	199347
JP 5278232	A	19931026	JP 9277443	A	19920331	B41J-002/21	199347
JP 5318770	A	19931203	JP 92127050	A	19920520	B41J-002/21	199402
JP 6022106	A	19940128	JP 92176970	A	19920703	H04N-001/23	199409
JP 6040038	A	19940215	JP 92198683	A	19920724	B41J-002/13	199411
JP 6040046	A	19940215	JP 92198660	A	19920724	B41J-002/21	199411
EP 564252	A3	19940427	EP 93302493	A	19930330	H04N-001/18	199523
US 5633663	A	19970527	US 9340298	A	19930330	B41J-029/38	199727

Priority Applications (No Type Date): JP 92198683 A 19920724; JP 9277410 A 19920331; JP 9277443 A 19920331; JP 92127050 A 19920520; JP 92176970 A 19920703; JP 92198660 A 19920724

Cited Patents: No-SR.Pub; 2.Jnl.Ref; EP 300743; EP 430451; EP 455389; EP 46118; EP 526186; EP 546853; JP 63264358; US 4540295; US 4553867; US 4748453; US 4967203; WO 9010541

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent  
EP 564252 A2 E 135  
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU NL  
PT SE  
US 5633663 A 123

**Abstract (Basic): EP 564252 A**

The method involves performing a main scan by moving recording head in a direction different from an alignment direction of its recording elements. It then performs a subscan perpendicular to the main scan by a predetermined amount. All pixels on an area recordable in the main scan are divided according to several divisional thinning arrangements, which have a complementary relationship between them.

The pixels are sequentially recorded in a number of main scans. Each thinning arrangement is defined by  $m \times n$  (at least one of  $m$  and  $n$  is not less than 2) pixel groups, each defining as a unit pixels group, and arranged at non neighbouring positions.

**ADVANTAGE -** Can satisfactorily eliminate connection lines on medium such as TP paper having low ink absorption speed and on medium such as coated paper having high ink absorption speed. High speed, high quality colour image free from time difference nonuniformity and density nonuniformity is obtained.

Dwg.7/92C

**Abstract (Equivalent): US 5633663 A**

An ink jet recording method for recording an image on a recording medium by performing a main scan by moving recording means, which comprises a plurality of recording elements for ejecting an ink, in a direction different from an alignment direction of said plurality of recording elements, and by performing a sub-scan in a direction different from a direction of the main scan by a predetermined amount, in which a predetermined area of the recording medium is completed by performing the main scan a plurality of number of times using in order a plurality of thinning masks including first and second masks to successively record thinned images according to the respective thinning masks, said method comprising the steps of:

providing the first thinning mask used in the main scan to record a part of all the pixels of a recordable area in a pixel arrangement of an  $m$  multiply  $n$  pixel group as a unit pixel group and to not record the remaining pixels, where  $m$  and  $n$  are positive integers and at least one is not less than 2;

moving the recording means in a forward direction, and during movement, recording, using the first thinning mask, a first thinned image on the predetermined area of the recording medium in a pixel arrangement thinned using the pixel group as a unit pixel group;

providing a second thinning mask used to record pixels thinned by the first thinning mask, in a pixel arrangement of the pixel group as a unit pixel group, a pixel arrangement of the second thinning mask and a pixel arrangement of the first thinning mask not overlapping each other; and

moving the recording means in a backward direction, and during the movement, recording, using the second thinning mask, a second thinned image on the predetermined area of the recording medium in a pixel arrangement thinned using the pixel group as a unit pixel group, the second thinned image and the first thinned image being recorded on positions different from each other, respectively, on the predetermined area of the recording medium.

Dwg.44/92

Derwent Class: P75; T01; T04; W02

International Patent Class (Main): B41J-002/13; B41J-002/21; B41J-029/38; H04N-001/18; H04N-001/23

International Patent Class (Additional): B41J-002/05; B41J-002/525; G06K-015/10

009563284

WPI Acc No: 93-256832/199332

Multichannel systems groups priority requests servicing device - has second and consecutive inputs gps of processor inputs readiness gps connected to non-inverting inputs of first gp of AND-gates of analogous requests selection gp

Patent Assignee: GANITULIN A KH (GANI-I)

Inventor: GANITULIN A KH; POPOV V G; SHILOV I A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
SU 1753473	A1	19920807	SU 4878780	A	19900924	G06F-009/46	199332 B

Priority Applications (No Type Date): SU 4878780 A 19900924

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
SU 1753473	A1		6				

Abstract (Basic): SU 1753473 A

The server additionally includes NOR-gates gp. (7), and the third AND-gates gp. (6) in each request sampling unit (1), except the first and the third units. The device allows priority request to be selected for each free channel taking into consideration assigned requests by preceding free channels. Time of request selection depends on distribution of processors readiness signals.

USE/ADVANTAGE - In computer engineering, in multichannel systems with priority servicing of subscribers. Higher speed of response due to reduced loss of time for searching of free processor.

Bul.29/7.8.92

Dwg.1/1

Derwent Class: T01

International Patent Class (Main): G06F-009/46

11/7/5 (Item 5 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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008481336

WPI Acc No: 90-368336/199049

Binary multiplication in VLSI floating point processor - using booths algorithm to recode 8-bit slices of multiplicand into 3-bit groups with corresp. partial product reduced in carry-save cells

Patent Assignee: BIPOLAR INT TEC INC (BIP0-N)

Inventor: ELKIND B; LESSERT J D; PETERSON J R; TAYLOR G F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
US 4972362	A	19901120	US 88209156	A	19880617		199049 B

Priority Applications (No Type Date): US 88209156 A 19880617

Abstract (Basic): US 4972362 A

The technique involves a multiplicand being segmented into a series of 8-bit slices and a multiplier which is modified-Booth recoded into 3-bit groups. The corresponding partial product terms are reduced in a regular array of small carry-save adder cells.

The multiplier is pipe-lined internally, driven by a fast, two-phase internal clock that is transparent to the user. The internal clock stops and restarts upon loading new operand and instruction data to synchronize the internal clock to the system clock. Other aspects include high-speed absolute value subtract circuitry for exponent calculations and normalising floating point results.

ADVANTAGE - Minimises problems caused by system-clock skew.

Minimises idle time of hardware. Wallace tree implemented with only one-seventh area or number of adders of conventional wallace tree

configuration.

Dwg.3/24

Derwent Class: T01; U13

International Patent Class (Additional): G06F-007/52

11/7/6 (Item 6 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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008345582 \*\*Image available\*\*

WPI Acc No: 90-232583/199031

Communications exchange for digital data signals - using modified multiplex signals inserted in vacant data time slots

Patent Assignee: SIEMENS AG (SIEI )

Inventor: PEITZ A; PELTZ A

Number of Countries: 012 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 379617	A	19900801	EP 89101356	A	19890126		199031 B
EP 379617	B1	19940615	EP 89101356	A	19890126	H04Q-011/04	199423
DE 58907897	G	19940721	DE 507897	A	19890126	H04Q-011/04	199429
			EP 89101356	A	19890126		

Priority Applications (No Type Date): EP 89101356 A 19890126

Cited Patents: 2.Jnl.Ref; EP 211337; EP 25465

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
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EP 379617	A						
		Designated States (Regional):		AT BE CH DE ES FR GB GR IT LI NL SE			
EP 379617	B1	G	11				
		Designated States (Regional):		AT BE CH DE FR GB IT LI SE			
DE 58907897	G			Based on		EP 379617	

Abstract (Basic): EP 379617 A

The exchange for digital has a number of line **groups** (LAI...LAM) incorporating **multiplex** lines (ZML, AML) and individual lines (ZLI...ZLn; ALI...ALn). The line groups (LAI...LAM) are each connected to at least one connection bus (VBUS1...VBUS2m), with modification of the multiplex signal stream obtained from the incoming multiplex lines (ZML) before application to the connection bus (VBUS1...VBUS2m).

This allows utilisation of the **free** time slots within the data signals received from the individual lines (ZLI...ZLn; ALI..ALn). Pref. a microprocessor system matches the bus line system of each line group to the respective connection bus (VBUS1...VBUS2m).

ADVANTAGE - Optimum utilisation of data time slots. (9pp Dwg.No.1/2

Abstract (Equivalent): EP 379617 B

Switching device (DV) for receiving digital communication signals, preferably data signals, occurring on single offering trunks (ZL1 to ZLn) assigned to single transmission devices and on multiplexed offering trunks (ZML) assigned jointly to a plurality of transmission devices, and for forwarding the received communication signals to single serving trunks (AL1 to ALn) assigned to individual transmission devices or to multiplexed serving trunks (AML) assigned jointly to a plurality of transmission devices respectively, in which at least one time slot of a plurality of time slots having in each case time slices occurring repeatedly in cyclical fashion in successive multiplex frames is assigned to the individual transmission devices on the multiplexed offering trunks and multiplexed serving trunks in accordance with the transmission rate provided for them in each case, having a plurality of line termination devices (LA1, ..., LAm) which serve for the connection of single trunks and multiplexed trunks and which are connected to at least one switching bus system (VBUS1, VBUS2) controlled from a switching control device (UEST) during time-division multiplexing operation, characterized in that at least one multiplexed offering trunk (ZML) and one multiplexed serving trunk (AML) and also a plurality of single offering trunks (ZL to Zln) and single serving

trunks (AL1 to ALn) can be optionally connected to each of the line termination devices (L1, ..., LAm), in that the multiplexed communication signal stream formed from the communication signals transmitted in the individual time slots and supplied to a line termination device from a multiplexed offering trunk, is modified in such a way that on the one hand communication signals transmitted in a number of defined time slots are forwarded directly to single serving trunks connected to the respective line termination device and on the other hand communication signals received via single offering trunks connected to the respective line termination device are inserted into a number of non-occupied time slots of the respective multiplexed communication signal stream, in that the modified multiplexed communication signal stream is supplied directly to the respective switching bus system (VBUS1, VBUS2), and in that before forwarding to an assigned multiplexed serving trunk, a multiplexed communication signal stream supplied to a line termination device from the respective switching bus system is modified in such a way that on the one hand communication signals occurring in a

(Dwg.1/2)

Derwent Class: W01

International Patent Class (Main): H04Q-011/04

11/7/7 (Item 7 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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008338514 \*\*Image available\*\*

WPI Acc No: 90-225515/199030

Call connection control for digital TDM telephone exchange - had decentralised evaluation of connection path and available time slots

Patent Assignee: TELENORMA TELEFONBA (TELN ); TELENORMA GMBH (TELN )

Inventor: BRAUN H M

Number of Countries: 011 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 378776	A	19900725	EP 89121001	A	19891113		199030 B
DE 3901433	A	19900802					199032
DE 3901433	C	19901122					199047
EP 378776	B1	19940601	EP 89121001	A	19891113	H04Q-011/04	199421
ES 2056179	T3	19941001	EP 89121001	A	19891113	H04Q-011/04	199440

Priority Applications (No Type Date): DE 3901433 A 19890119

Cited Patents: 1.Jnl.Ref; A3...9114; DE 2838142; NoSR.Pub; US 4633461; DE 2833142

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 378776 A

Designated States (Regional): AT BE CH ES FR GB IT LI NL SE

EP 378776 B1 G 8

Designated States (Regional): AT BE CH ES FR GB IT LI NL SE

ES 2056179 T3 Based on EP 378776

Abstract (Basic): EP 378776 A

The connection control uses decentralised group controllers (IVG1...IVGm) for determining the connection time slot and the connection path, with the time slot and collector rail occupation data transferred between the different group controllers (IVG1...IVGm) via a common direct data transfer bus (BUS) which is also coupled to the central control unit (IVZ).

The latter evaluates the call selection data to determine the target group (AG1...AGm), to select the connection path through the intermediate coupling stages (KS1...KSn). The connection path is switched through when an available time slot is detected at each end of the required connection.

ADVANTAGE - Reduced requirement on central control unit. (7pp  
Dwg.No.1/2)

Abstract (Equivalent): DE 3901433 C

The method involves controlling digital connections according to the time multiplexing principle and with a time-space-time coupling arrangement in order to combine groups of lines with one another.

The time multiple couplers are connected through their own busbars with the space multiple couplers and there are decentralised group controls with at least one central control unit. The point in time for the switching through and the switching path are determined exclusively by the decentralised group controls. USE/ADVANTAGE - Central control is not overloaded as frequently.

(6pp Dwg.No.1/2

Abstract (Equivalent): EP 378776 B

Method for the control of the establishment of connections in communications exchanges which connect through digitally on the time-division multiplex principle and display a time-space-time coupling arrangement in order to connect the terminal organs, which are combined in groups, one with the other, wherein the time multiple couplers are each connected by way of respective individual bus bars (SS1.1 to SS1.n) with the space multiple couplers (KS1 to KSn) and wherein - apart from decentralised group controls (IVG1 to IVGn) - at least one central control equipment (IVZ) is provided, characterised thereby, that the fixing of the switching through instant (time position) and the allocation of the switching-through path is undertaken exclusively by the decentralised group controls (IVG), wherein data identifying the time position and the bus bar (SS) get on a direct path from the group control (for example IVG1), which initiates the establishment of the connection, by way of a common data line system (BUS) to the group control (for example IVG2) of the destination group (AG2) determined by the dialing evaluation that has taken place in the central control (IVZ), that the group control (IVG2) of the destination group (AG2) sends an information signal about the state of connection of the desired terminal organ together with an information signal which indicates which time positions are free on the bus bar (for example SS1.1, SS2.1) proposed for the switching through, back to the group control (IVG1), which initiates the establishment of the connection, of the originating group (AG1), that the group control (IVG2) of the destination group (AG2) is commanded to search for free time positions on at least one further bus bar (for example SS2.2, SS1.2) which displays free time positions in the time multiple coupler of the originating group (AG1), when a switching through was not possible because of the absence of free time positions for the destination group (AG2) on the originally provided bus bar (SS1.1, SS2.1) that- after the finding of free time positions on both sides - an information signal, in which the time positions to be used and the bus bar to be switched through for this connection are indicated, is sent from the group control (IVG1), which initiates the establishment of the connection, to the central control (IVZ) and that time position translations are then so undertaken by the time position translating equipment (ZU1 or ZU2) situated in the space coupling stage (KS1 or KS2) concerned that a transmission to

(Dwg.0/0

Derwent Class: W01

International Patent Class (Main): H04Q-011/04

International Patent Class (Additional): H04L-012/52; H04Q-003/54

11/7/8 (Item 8 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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007346316

WPI Acc No: 87-343322/198749

Conveyor appts. for blow moulding machine - comprises a roller chain conveyor for moving preforms from a transfer station to a blowing station and then to an ejection station

Patent Assignee: CINCINNATI MILACRON INC (CARL )

Inventor: GIBBEMEYE J F

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 248376	A	19871209	EP 87107882	A	19870601		198749 B
AU 8770954	A	19871203					198804
US 4723906	A	19880209	US 86869499	A	19860602		198809
JP 63027231	A	19880204	JP 87111655	A	19870507		198811
US 4784253	A	19881115	US 8760807	A	19870612		198848
US 4795023	A	19890103	US 8760808	A	19870612		198904
US 4801001	A	19890131	US 8760805	A	19870612		198907
US 4818212	A	19890404	US 8760809	A	19870612		198916
CA 1278661	C	19910108					199108

Priority Applications (No Type Date): US 86869499 A 19860602; US 8760805 A 19870612; US 8760807 A 19870612; US 8760808 A 19870612; US 8760809 A 19870612

Cited Patents: A3...9004; No-SR.Pub; US 4313720; US 4340345; US 4409161; US 4456447; US 4470797; US 4484884

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 248376 A E 26

Designated States (Regional): DE FR GB IT

US 4723906 A 19

US 4784253 A 18

US 4795023 A 18

US 4801001 A 18

US 4818212 A 18

Abstract (Basic): EP 248376 A

Appts. for conveying preforms from a transfer station through a blow moulding station and thence to an eject station, comprises: (a) a pair of roller chain sprockets one of which is a drive sprocket, (b) a roller chain disposed on the sprockets and in a horizontal plane, (c) a plurality of groups of preform holder assemblies arranged in succession on the chain, the spacing of the holder assemblies in each group being the same as that of the blow moulds, and (d) intermittent drive means to rotate the drive sprocket (25) periodically an amt. sufficient to remove an entire group of holder assemblies with prods. from the blow moulds (188) to the eject station and to replace same with the next succeeding group of holder assemblies.

USE/ADVANTAGE - The machine is particularly adapted for blow moulding soft drink bottles with an external thread, a pilfer proof ring and a support ring. The space between the two rings provides a groove to receive the holder. In operation the machine can blow four (or more) 2-litre bottles every 2.3 seconds.

0/24

Abstract (Equivalent): US 4818212 A

Stuffer for use in blow-moulding plastics bottles from preforms comprises a stuffer cylinder which has a hollow plunger with a bore throughout its length. A stuffer nose connects the preform to the plunger.

A long stroke centre rod cylinder is mounted vertically above the stuffer cylinder; this has a centring plunger which extends when fully retracted to the remote part of the nose sealing structure. The stroke is large enough to move the outboard end of the plunger from the retracted position to engage the bottom of the preform being blown when it is at the bottom of the blow mould. The nose is fitted with air passages for blowing air into the preform. (18pp)

US 4801001 A

Blow moulding conveyor for conveying depending preforms by engaging a groove defined between two rings near their upper ends comprises an endless conveyor supported by drive and idler devices and having a second path of movement including a linear run when driven between the transfer and work stations. Holders on the conveyor have notches aligned with notches on a carriage of a reach and take assembly. Pairs of notches receive the preform grooves.

ADVANTAGE - Changes to threaded necks are prevented. (18pp)p

US 4795023 A

Carriage assembly parts conveyor machine comprises a horizontal carriage for moving between stations and supporting vertical carriages for moving vertically sufficiently to raise parts from the receiving station to a higher level where the parts are removed. Notches for receiving the parts are formed in the trailing edge of a support plate at the upper end of the vertical carriages. Accidentally retained parts are removed before the plate assembly reaches the receiving station.

USE - Blow moulding. (18pp)e

US 4784253 A

An ejector for removing an elongated prod. from a position depending with its long axis vertical from a conveyor so as to fall into a straight up and down position is claimed. The ejector comprises a frame, a conveyor for moving the prod. to the eject station while suspended in a U-shaped notch by its upper end onto one side of a holder. The open side of the U is sized to pass the upper end.

A movable eject bar is located vertically close underneath the holder and is horizontally disposed with the prod. between itself and the open size of the notch. A number of vertical extending guides, at least one mounted on the eject bar or the frame and another on the other side of the prod. on the other one of the bar and frame positions the prod. between the guides. The eject bar is reciprocated normally to the conveyor to a distance to push the prod. horizontally out of the open side of the notch to free it from the holder. The guides assume a vertical guide engagement with the prod. by the time it is moved free of the holder so that the prod. falls away while in a vertical orientation.

USE - In a plastic blow-moulding appts. for prodn. of bottles and jars. (18pp)y

US 4723906 A

Reheat blow moulding machine comprises a conveyor for conveying preforms from a transfer station through spaced blow-moulds and an eject station where the blown product is removed.

Preform holder assemblies are arranged in succession on a roller chain driven in a horizontal plane by sprockets so that the preforms are presented with the blow moulds. The sprockets are driven intermittently. (19pp)a

Derwent Class: A32; Q35

International Patent Class (Additional): B29C-048/12; B29C-049/42; B29C-051/18; B29L-022/00; B65G-017/20; B65G-047/26

11/7/9 (Item 9 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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004324897

WPI Acc No: 85-151775/198525

Data packet processing systems extremal number detector - has priority circuit forming logic unity at output corresp. to processor with highest ordinal number

Patent Assignee: TITOV V A (TITO-I)

Inventor: GAIDUKOV V L; ZABELIN G I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
SU 1128249	A	19841207	SU 3604348	A	19830610		198525 B

Priority Applications (No Type Date): SU 3604348 A 19830610

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
SU 1128249	A		4			

Abstract (Basic): SU 1128249 A

Extremal number detector contg. as many triggers (1) as package assignments, groups of AND-gates (2), max code selector (3), register (4) and setting (12) and code (13) inputs, has a priority circuit (5),

coders (6,7), registers (8,9), data input (10) and triggering input (11).

All the incoming weight codes pass through to the selector which forms a 1-level at the output corresp. to the max. code. The code of the ordinal number of the problem with max. wt. is enregistered. Likewise a 1-level appears at the priority circuit output corresp. to the free processor with the highest ordinal number. This code is fed to the top group of register digit places.

USE/ADVANTAGE - For organising a processor processing a package of assignments, or in multi-processor or multi-machine computing systems, the field of application is widened by identifying free processors, so saving time. Bul.45/7.12.84 (4pp Dwg.No.1/3)

Derwent Class: T01

International Patent Class (Additional): G06F-007/02

11/7/10 (Item 10 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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004092402

WPI Acc No: 84-237943/198439

Prodn. of low formaldehyde polyurea-polyformaldehyde foam - by addn. of urea and interlinking agent to precondensate soln. before foaming

Patent Assignee: SCHAUM CHEM BAUER KG W (SCAM )

Inventor: BAUMANN H

Number of Countries: 011 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 3308237	A	19840920	DE 3308237	A	19830309		198439 B
EP 121731	A	19841017	EP 84102171	A	19840301		198442
AU 8425426	A	19840913					198444
US 4537913	A	19850827	US 84586966	A	19840307		198537
EP 121731	B	19870114					198702
DE 3275099	G	19870219					198708
DE 3462044	G	19870219					198708

Priority Applications (No Type Date): DE 3308237 A 19830309; EP 84102171 A 19840301

Cited Patents: DE 2501368; US 3231525; US 3979341

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

DE 3308237 A 18

EP 121731 A G

Designated States (Regional): AT BE CH DE FR GB IT LI NL

EP 121731 B G

Designated States (Regional): AT BE CH DE FR GB IT LI NL

Abstract (Basic): EP 121731 A

A method of preparing a urea formaldehyde combination foam that is low in formaldehyde by foaming a solution of a urea formaldehyde resin precondensate with a solution of a hardener and a foaming agent while admixing additional urea, characterized in that one adds to a conventional solution of a urea formaldehyde resin precondensate, before the foaming, up to 50% urea, relative to the resin solid, and in addition one or several compounds from the group of sulfurous alkyl compounds, saturated monobasic carboxylic acids, saturated and unsaturated dicarboxylic acids, purine compounds, inorganic acids of the group of halogens and chalcogens and their salts, phosphoric acids and their salts, alkali metal salts and alkaline earth metal salts in a small quantity that is proportioned in such a way that the pH does not fall below 7, and subsequently foams the solution with a hardener/foaming-agent solution in a conventional manner.

(6pp)

DE 3308237 A

In prodn. of a urea/HCHO foam, low in HCHO, a soln. of a urea/ HCHO resin precondensate is treated with up to 50% urea, w.r.t. resin

solids, and an interlinking agent which is a S-contg. alkyl cpd., satd. monobasic carboxylic acid, (un)satd. dicarboxylic acid, purine cpd., inorganic acid (or salt) from the halogen and chalcogen gp., phosphoric acid (or a salt), or alkali (ne earth) metal salt, in small amt., to give pH not below 7, followed by foaming with a hardener/foaming agent soln.

ADVANTAGE - The foams have shorter drying time, are dimensionally stable, free from cracks and pressure abrasion, and fire-resistant. The interlinking agents prevent a quant. reaction between urea and low-mol. cpds., stabilise the lamella structure of the foam, prevent splitting off of HCHO, and give a cohesive foam structure.

/0

Abstract (Equivalent): EP 121731 B

A method of preparing a urea formaldehyde combination foam that is low in formaldehyde by foaming a solution of a urea formaldehyde resin precondensate with a solution of a hardener and a foaming agent while admixing additional urea, characterized in that one adds to a conventional solution of a urea formaldehyde resin precondensate, before the foaming, up to 50% urea, relative to the resin solid, and in addition one or several compounds from the group of sulfurous alkyl compounds, saturated monobasic carboxylic acids, saturated and unsaturated dicarboxylic acids, purine compounds, inorganic acids of the group of halogens and chalcogens and their salts, phosphoric acids and their salts, alkali metal salts and alkaline earth metal salts in a small quantity that is proportioned in such a way that the pH does not fall below 7, and subsequently foams the solution with a hardener/foaming-agent solution in a conventional manner.

Abstract (Equivalent): US 4537913 A

Prepn. of a urea-formaldehyde combination foam that is low in formaldehyde by: (a) adding to a conventional soln. of a urea-formaldehyde resin precondensate, before foaming, up to 50% urea and one or several connecting agents pref. MgCl<sub>2</sub>, NaCl, oxalic acid and phosphoric acid, being added such that the pH does not fall below 7; and then (b) foaming the resulting soln. with a hardner/foaming-agent soln. in a conventional manner.

USE - Dimensionally stable urea-formaldehyde foam, low in formaldehyde.

(5pp)

Derwent Class: A21; A32

International Patent Class (Additional): C08G-012/12; C08J-003/24; C08J-009/00; C08K-005/36; C08L-061/24; C09D-003/00; C09D-005/08

11/7/11 (Item 11 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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001548553

WPI Acc No: 76-M1501X/197651

Common control failure alarm - local and remote alarm circuits cover failure monitoring for digital groups of TDM channels multiplexed together

Patent Assignee: BELL TELEPHONE LAB INC (AMTT )

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
US 3996423	A	19761206					197651 B
CA 1069627	A	19800108					198005

Priority Applications (No Type Date): US 75633108 A 19751118

Abstract (Basic): US 3996423 A

The local and remote alarm circuits utilize common control techniques. Each alarm circuit comprises an alarm timing store and an alarm status store with shared recirculating memories. The timing serves to integrate time failure indication for each of the digroups, and the status store maintains a continuing real time record of the

alarm status for each digroup. When the timing store counts out a predetermined failure duration for a given digroup, the alarm status record for the digroup is changed and an alarm signal is generated. Once an alarm is registered for a digroup, the timing store then serves to integrate **time failure-free** indications for the digroup.

Derwent Class: W02

International Patent Class (Additional): H04J-003/14

11/7/12 (Item 1 from file: 347)

DIALOG(R) File 347:JAPIO

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03725133 \*\*Image available\*\*

#### PLURAL WAYS OF SIMULTANEOUS MULTIPLE ADDRESS COMMUNICATION SYSTEM

PUB. NO.: 04-090233 [JP 4090233 A]

PUBLISHED: March 24, 1992 (19920324)

INVENTOR(s): MIURA OSAMU

NAGAKUBO KOICHI

APPLICANT(s): SHII EE TEI BUI KIBAN GIJIYUTSU KENKIYUUSHIYO KK [000000] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-205878 [JP 90205878]

FILED: August 01, 1990 (19900801)

#### ABSTRACT

PURPOSE: To realize plural ways of simultaneous multiple address communication simultaneously through the use of an **idle time** by inserting a signal for simultaneous multiple address in an **idle time** zone of an outgoing delay time from a center, allowing a terminal controller to discriminate a simultaneous multiple address signal and outputting a signal to an external output section when information desired to be received, that is, the signal whose identification information is coincident.

CONSTITUTION: A control circuit section 39 of a multiple address control section 38 uses a synchronizing signal and a clock signal to extract a signal of a time zone in which a simultaneous multiple address signal is accommodated, checks information (on/off) representing the presence of simultaneous multiple address information, compares the content of identification information of an identification information setting section 41 set by a subscriber with received **group** identification information and sends **multiple** address information of the received multiple address signal to a speed conversion section 42 when the both are coincident, in which speed conversion is implemented in a uniform timing in a bust signal 2ms, a CODEC section 43 applies D/A conversion and multiple address information is outputted to an external output section (such as speaker) 44.

11/7/13 (Item 2 from file: 347)

DIALOG(R) File 347:JAPIO

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03725132 \*\*Image available\*\*

#### GROUP SIMULTANEOUS MULTIPLE ADDRESS COMMUNICATION SYSTEM

PUB. NO.: 04-090232 [JP 4090232 A]

PUBLISHED: March 24, 1992 (19920324)

INVENTOR(s): MIURA OSAMU

APPLICANT(s): SHII EE TEI BUI KIBAN GIJIYUTSU KENKIYUUSHIYO KK [000000] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-205877 [JP 90205877]

FILED: August 01, 1990 (19900801)

#### ABSTRACT

PURPOSE: To realize simultaneous **multiple** address communication for each

group through the use of an **idle time** by inserting a simultaneous multiple address signal including information designating a group for an **idle time** zone of an outgoing delay time at a center, allowing a terminal controller to discriminate the simultaneous multiple address signal and outputting the signal to an external output device.

**CONSTITUTION:** A multiple address command generating section 24 generates an on/off signal of a simultaneous multiple address control signal part and a **group** designation information when simultaneous **multiple** address is required. A control circuit section 34 of a multiple address control section 33 of a terminal controller uses a synchronizing signal and a clock signal to extract a signal of a time zone in which a simultaneous multiple address signal is accommodated, checks information (on/off) representing the presence of simultaneous multiple address information, compares the content of a group setting section 35 setting group setting information in advance with the content of received group designation information, and when they are coincident, a speed conversion section 36 and a CODEC section 37 outputs the multiple address message information to an external output section 38.

11/7/14 (Item 3 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02906034 \*\*Image available\*\*  
AIR-FUEL RATIO CONTROL DEVICE FOR ENGINE

PUB. NO.: 01-203634 [JP 1203634 A]  
PUBLISHED: August 16, 1989 (19890816)  
INVENTOR(s): OIZUMI YUTAKA  
APPLICANT(s): MAZDA MOTOR CORP [000313] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 63-028349 [JP 8828349]  
FILED: February 08, 1988 (19880208)

#### ABSTRACT

**PURPOSE:** To prevent degradation of the running performance due to surging in a range adjacent to an idle running by prohibiting the operation of feedback control when the difference in the amount of air-fuel ratio feedback control between each group of cylinders is over a reference value.

**CONSTITUTION:** An intake air leakage in any one of **groups** of cylinders in a **multicylinder** engine causes a large difference in the amount of feedback control in each group of cylinders by an air-fuel ratio feedback control means. Accordingly, when the difference is decided to be over a specified value by a comparison means, and the running range of the engine detected by a detecting means at this time is a specified low load engine speed range, for example, an idle running range, the operation of air-fuel ratio feedback control is prohibited by a prohibiting means. Thus, the air fuel ratio feedback control is performed according to an usual open loop of fixed amount of control, so that the torque differential greater than the output-difference caused by the air-fuel ratio differential due to the fluctuation of the amount of intake air does not occur. Degradation of the running performance in a range adjacent to an idle running, lowering of the operating characteristic in an **idle time**, etc., can therefore be surely prevented.

11/7/15 (Item 4 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 1999 JPO & JAPIO. All rts. reserv.

02847133 \*\*Image available\*\*  
CARRIER EQUIPMENT FOR DIGITAL SUBSCRIBER LINE

PUB. NO.: 01-144733 [JP 1144733 A]

PUBLISHED: June 07, 1989 (19890607)  
INVENTOR(s): SHIMADA YOSHITAKA  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 62-304181 [JP 87304181]  
FILED: November 30, 1987 (19871130)

ABSTRACT

PURPOSE: To attain a primary group multiplexing by outputting an output control signal when an address signal to be determined by a position, to which a channel board is mounted, and the address signal, which is included in a serial control signal, are coincident and outputting an (n)-time slot signal out of the channel board according to this output control signal.

CONSTITUTION: In a channel pulse generating circuit 1, a reference pulse and the address signal are compared and a time slot is determined to occupy a received subscriber line. Then, a digital signal is inserted to the position of the time slot by a subscriber line interface circuit 2. By the comparison between the serial control signal and the address signal, an output control signal 31 is sent to a wires OR circuit 4 and this signal is prevented from being outputted from the wired OR circuit 4, which is next to the channel board to occupy the subscriber line for more than 3 time slots. Then, the idle space of the time slot is erased and the multiplexing is executed. Thus, the primary group multiplexing can be executed without wasting the time slot.

11/7/16 (Item 5 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 1999 JPO & JAPIO. All rts. reserv.

00538946 \*\*Image available\*\*  
PRINTING SYSTEM OF NON-IMPACT PRINTER

PUB. NO.: 55-026546 [JP 55026546 A]  
PUBLISHED: February 26, 1980 (19800226)  
INVENTOR(s): USHIBA NOBUO  
                  HARADA FUMIAKI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 53-099466 [JP 7899466]  
FILED: August 17, 1978 (19780817)

ABSTRACT

PURPOSE: To achieve the longer life of films and the shorter time of idle time of printing by forming start pulse groups which increase the gap on a drum taking part in the start of printing apparently to a plurality.

CONSTITUTION: Every time when a gap sensor 20 opposes to the gap 14 of a printing drum 11, a pulse detecting circuit 21 emits a detection signal A. A start pulse generating circuit 22, upon receipt of this, generates a plurality of start pulse groups B during the time till the next incoming signal A. Now, when the buffer ready signal C is sent out from the printing data having been stored in a buffer 24, a printing control circuit 23 causes printing to be started at the instant when it detects the pulse having appeared first out of the pulse groups B. In this way, the film may be considerably prolonged in its life through average use. In addition, the printing data are promptly printed and therefore the latency time may be reduced.

?

Set	Items	Description
S1	7603	MULTI()STAG? OR MULTIPLE?(N2)STAG? OR MULTISTAG?
S2	4228	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	87	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2)GROUP?) (N4) (-RETRIEV?)
S4	7727	SCHEDULE? ? OR SCHEDULER? ?
S5	14080	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M-ULTITUDE?) (N5) GROUP?
S6	13	S1 AND S2 AND S4
S7	2	S1 AND S2 AND S3
S8	1	S7 AND S5
S9	48	S5 AND S4 AND S2
S10	0	S5(S)S4(S)S2
S11	4	S9 AND (S3 OR S1)

7/5/1

DIALOG(R) File 348:European Patents  
(c) 1999 European Patent Office. All rts. reserv.

00711606

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Start code detector for image sequences.

Detektor fur den Startcode von Bildsequenzen.

Detecteur de code de depart pour sequences d'images.

PATENT ASSIGNEE:

DISCOVISION ASSOCIATES, (260273), 2355 Main Street Suite 200, Irvine, CA 92714, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IE;IT;LI;NL)

INVENTOR:

Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS16 1NA, (GB)  
Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley, Gloucestershire GL11 6BD, (GB)  
Robbins, William Philip, 19 Springhill, Cam, Gloucestershire GL11 5PE, (GB)  
Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucester. GL12 7ND, (GB)  
Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)

LEGAL REPRESENTATIVE:

Vuillermoz, Bruno (72791), Cabinet Laurent & Charras B.P. 32 20, rue Louis Chirpaz, 69131 Ecully Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 674443 A2 950927 (Basic)  
EP 674443 A3 951213  
EP 674443 A3 981223

APPLICATION (CC, No, Date): EP 95301301 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00; G06F-009/38;

ABSTRACT EP 674443 A2

A multi-standard video decompression apparatus has a plurality of stages interconnected by a two-wire interface arranged as a pipeline processing machine. Control tokens and DATA Tokens pass over the single two-wire interface for carrying both control and data in token format. A token decode circuit is positioned in certain of the stages for recognizing certain of the tokens as control tokens pertinent to that stage and for passing unrecognized control tokens along the pipeline. Reconfiguration processing circuits are positioned in selected stages and are responsive to a recognized control token for reconfiguring such stage to handle an identified DATA Token.

ABSTRACT WORD COUNT: 102

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 950927 A2 Published application (A1with Search Report ;A2without Search Report)

Search Report: 951213 A3 Separate publication of the European or International search report

\*Search Report: 960110 A2 Separate publication of European or Intl search report (change)

Change: 971022 A2 Representative (change)

Change: 980304 A2 Obligatory supplementary classification (change)

Examination: 981104 A2 Date of filing of request for examination: 980908

Search Report: 981223 A3 Separate publication of the European or International search report

Examination: 990324 A2 Date of despatch of first examination report: 990208

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	2897
SPEC A	(English)	EPAB95	128616

Total word count - document A 131513  
Total word count - document B 0  
Total word count - documents A + B 131513  
?show files;ds  
File 348:European Patents 1978-1999/May W18  
(c) 1999 European Patent Office

Set	Items	Description
S1	7603	MULTI()STAG? OR MULTIPLE?(N2)STAG? OR MULTISTAG?
S2	4228	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	87	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP(N2)GROUP?) (N4) (-RETRIEV?)
S4	7727	SCHEUDER? ? OR SCHEDULER? ?
S5	14080	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M-ULTITUDE?) (N5) GROUP?
S6	13	S1 AND S2 AND S4
S7	2	S1 AND S2 AND S3
S8	1	S7 AND S5
S9	48	S5 AND S4 AND S2
S10	0	S5(S)S4(S)S2
S11	4	S9 AND (S3 OR S1)

?t 7/5/1-2;t 8/5/1;t 11/3,k/1-4

7/5/1  
DIALOG(R)File 348:European Patents  
(c) 1999 European Patent Office. All rts. reserv.

00711606  
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348  
Start code detector for image sequences.  
Detektor fur den Startcode von Bildsequenzen.  
Detecteur de code de depart pour sequences d'images.  
PATENT ASSIGNEE:  
DISCOVISION ASSOCIATES, (260273), 2355 Main Street Suite 200, Irvine, CA 92714, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IE;IT;LI;NL)  
INVENTOR:  
Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS16 1NA, (GB)  
Sootheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley, Gloucestershire GL11 6BD, (GB)  
Robbins, William Philip, 19 Springhill, Cam, Gloucestershire GL11 5PE, (GB)  
Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucester. GL12 7ND, (GB)  
Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)  
LEGAL REPRESENTATIVE:  
Vuillermoz, Bruno (72791), Cabinet Laurent & Charras B.P. 32 20, rue Louis Chirpaz, 69131 Ecully Cedex, (FR)  
PATENT (CC, No, Kind, Date): EP 674443 A2 950927 (Basic)  
EP 674443 A3 951213  
EP 674443 A3 981223  
APPLICATION (CC, No, Date): EP 95301301 950228;  
PRIORITY (CC, No, Date): GB 9405914 940324  
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL  
INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00; G06F-009/38;

ABSTRACT EP 674443 A2  
A multi-standard video decompression apparatus has a plurality of stages interconnected by a two-wire interface arranged as a pipeline processing machine. Control tokens and DATA Tokens pass over the single two-wire interface for carrying both control and data in token format. A token decode circuit is positioned in certain of the stages for recognizing certain of the tokens as control tokens pertinent to that stage and for passing unrecognized control tokens along the pipeline. Reconfiguration processing circuits are positioned in selected stages and are responsive to a recognized control token for reconfiguring such stage

to handle an identified DATA Token.

ABSTRACT WORD COUNT: 102

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 950927 A2 Published application (A1with Search Report  
;A2without Search Report)  
Search Report: 951213 A3 Separate publication of the European or  
International search report  
\*Search Report: 960110 A2 Separate publication of European or Intl search  
report (change)  
Change: 971022 A2 Representative (change)  
Change: 980304 A2 Obligatory supplementary classification  
(change)  
Examination: 981104 A2 Date of filing of request for examination:  
980908  
Search Report: 981223 A3 Separate publication of the European or  
International search report  
Examination: 990324 A2 Date of despatch of first examination report:  
990208

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	2897
SPEC A	(English)	EPAB95	128616
Total word count - document A			131513
Total word count - document B			0
Total word count - documents A + B			131513

7/5/2

DIALOG(R)File 348:European Patents

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00353132

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Regenerative braking system for car.

Bremssystem mit Energieruckgewinnung fur ein Fahrzeug.

Systeme de freinage a recuperation d'energie pour vehicule.

PATENT ASSIGNEE:

Isuzu Motors Limited, (493871), 10-go, 22-ban, 6-chome, Minami-Ohi  
Shinagawa-ku, Tokyo, (JP), (applicant designated states: DE;GB;SE)

INVENTOR:

Tanaka, Koji, 4-31-8 Sakuradai, Nerima-ku Tokyo 176, (JP)  
Shima, Takashi, 5-2-14 Togoshi, Shinagawa-ku Tokyo 142, (JP)

LEGAL REPRESENTATIVE:

von Samson-Himmelstjerna, Friedrich R., Dipl.-Phys. et al (12469), SAMSON  
& PARTNER Widenmayerstrasse 5, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 366088 A2 900502 (Basic)

EP 366088 A3 901024

EP 366088 B1 940105

APPLICATION (CC, No, Date): EP 89119751 891024;

PRIORITY (CC, No, Date): JP 88271528 881027; JP 88272750 881028

DESIGNATED STATES: DE; GB; SE

INTERNATIONAL PATENT CLASS: B60K-006/12; B60T-001/10;

CITED PATENTS (EP A): EP 75035 A; US 4741410 A; EP 248178 A

ABSTRACT EP 366088 A2

In a regenerative braking system, the overall braking torque required is determined, the pump/motor (14) is controlled to have its maximum pumping capacity, and an electromagnetic proportional air control valve (70) is used to supplement the short capacity when the required overall braking torque exceeds the maximum pumping capacity and a brake pedal is operated. The control valve (70) is exclusively used for conventional braking in response to the position of the brake pedal (57) when the car speed is below a predetermined low speed.

ABSTRACT WORD COUNT: 89

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900502 A2 Published application (A1with Search Report ;A2without Search Report)  
Search Report: 901024 A3 Separate publication of the European or International search report  
Examination: 910123 A2 Date of filing of request for examination: 901127  
Examination: 910502 A2 Date of despatch of first examination report: 910318

Grant: 940105 B1 Granted patent  
Change: 940223 B1 Representative (change)  
Oppn None: 941228 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	544
CLAIMS B	(German)	EPBBF1	547
CLAIMS B	(French)	EPBBF1	721
SPEC B	(English)	EPBBF1	8053
Total word count - document A			0
Total word count - document B			9865
Total word count - documents A + B			9865

8/5/1  
DIALOG(R) File 348:European Patents  
(c) 1999 European Patent Office. All rts. reserv.

00711606

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Start code detector for image sequences.

Detektor fur den Startcode von Bildsequenzen.

Detecteur de code de depart pour sequences d'images.

PATENT ASSIGNEE:

DISCOVISION ASSOCIATES, (260273), 2355 Main Street Suite 200, Irvine, CA 92714, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IE;IT;LI;NL)

INVENTOR:

Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS16 1NA, (GB)  
Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley, Gloucestershire GL11 6BD, (GB)  
Robbins, William Philip, 19 Springhill, Cam, Gloucestershire GL11 5PE, (GB)  
Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucester. GL12 7ND, (GB)  
Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)

LEGAL REPRESENTATIVE:

Vuillermoz, Bruno (72791), Cabinet Laurent & Charras B.P. 32 20, rue Louis Chirpaz, 69131 Ecully Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 674443 A2 950927 (Basic)  
EP 674443 A3 951213  
EP 674443 A3 981223

APPLICATION (CC, No, Date): EP 95301301 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00; G06F-009/38;

ABSTRACT EP 674443 A2

A multi-standard video decompression apparatus has a plurality of stages interconnected by a two-wire interface arranged as a pipeline processing machine. Control tokens and DATA Tokens pass over the single two-wire interface for carrying both control and data in token format. A token decode circuit is positioned in certain of the stages for recognizing certain of the tokens as control tokens pertinent to that stage and for passing unrecognized control tokens along the pipeline. Reconfiguration processing circuits are positioned in selected stages and are responsive to a recognized control token for reconfiguring such stage to handle an identified DATA Token.

ABSTRACT WORD COUNT: 102

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 950927 A2 Published application (A1with Search Report  
;A2without Search Report)

Search Report: 951213 A3 Separate publication of the European or  
International search report

\*Search Report: 960110 A2 Separate publication of European or Intl search  
report (change)

Change: 971022 A2 Representative (change)

Change: 980304 A2 Obligatory supplementary classification  
(change)

Examination: 981104 A2 Date of filing of request for examination:  
980908

Search Report: 981223 A3 Separate publication of the European or  
International search report

Examination: 990324 A2 Date of despatch of first examination report:  
990208

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	EPAB95	2897
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SPEC A	(English)	EPAB95	128616
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Total word count - document A		131513	
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Total word count - document B		0	
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Total word count - documents A + B		131513	
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11/3,K/1

DIALOG(R)File 348:European Patents

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00943770

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Set top terminal for cable television delivery systems

Aufsatzt- Endgerat fur Kabelfernsehverteilsysteme

Terminal prive place sur un recepteur de television pour systemes de  
diffusion de programmes de television par cable

PATENT ASSIGNEE:

DISCOVERY COMMUNICATIONS, INC., (1818010), 7700 Wisconsin Avenue,,  
Bethesda, MD 20814-3522, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;NL;PT;SE)

INVENTOR:

Hendricks, John S., 8723 Persimmon Tree Road, Potomac, MD 20854, (US)  
Bonner, Alfred E., 8300 Bradley Boulevard, Bethesda, MD 20817, (US)  
Berkobin, Eric C., 108 Hillview Court, Woodstock, GA 30188, (US)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 856993 A2 980805 (Basic)

EP 856993 A3 980819

APPLICATION (CC, No, Date): EP 98105647 931202;

PRIORITY (CC, No, Date): US 991074 921209

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; NL; PT;  
SE

INTERNATIONAL PATENT CLASS: H04N-007/16; H04N-007/173;

ABSTRACT WORD COUNT: 79

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	9832	998
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SPEC A	(English)	9832	25865
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Total word count - document A		26863	
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Total word count - document B		0	
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Total word count - documents A + B		26863	
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ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

...SPECIFICATION the various programs. After the process is complete, the CAP displays draft menus or program schedules that correspond to the entries of the programmer. The CAP may also graphically display allocation...

...programmer may edit the menus and transponder allocation several times until satisfied with the programming schedule. During the editing, the programmer may direct the exact location of any program name on...cable network is used, set top terminals 220 can complete any data transmissions on a scheduled or as-needed basis.

Program access information identifying each program watched by the viewer is...along with the next start time, the cost of the event and the amount of free viewer time for previewing. The subscriber has the option of purchasing the event. If the subscriber chooses...order to provide the multiple start time service, the same movie must be shown on multiple channels at staggered start times. For example, if Terminator Four is a two-hour length movie it can...windows may be used throughout submenus to assist in advertising for particular programs, channels, or groups of programs. Many variations of the confirmation submenu 1056 are possible, including allowing the user to join the...

...such as boxing, would thank the viewer and remind him that the network carries regularly scheduled boxing events on a weekly basis.

Figures 23 and 24 relate to the ordering of...documentary news program from the CBS library, called 60 Minutes. Although this is a regularly scheduled weekly program. It may be viewed by subscribers to the present Invention at nonscheduled times...

...CLAIMS of one of the programs with multiple start times (1058, 1060, 1061);

determining a channel group carrying the selected program with multiple start times (1058, 1060, 1061);  
examining staggered start times for the selected program with multiple start times on the channel group to find the available start times (1058, 1060, 1061); and  
choosing one of the available...

...12 wherein the subscriber is not viewing one of the television channels in the channel group of the selected program with multiple start times, and characterized in that the choosing step includes the steps of:  
generating and...

11/3,K/2

DIALOG(R) File 348:European Patents  
(c) 1999 European Patent Office. All rts. reserv.

00741338

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348  
Connectionless communications system, test method, and intra-station control system

Verbindungsloses Kommunikationssystem, Testmethode und Intra-Station-Steuerungssystem

Systeme de communication sans connection, methode de test et systeme de gestion intra-station

PATENT ASSIGNEE:

FUJITSU LIMITED, (211460), 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Kobayasi, Yasusi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Watanabe, Yoshihiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Nishida, Hiroshi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Izawa, Naoyuki, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,

Kawasaki-shi, Kanagawa, 211, (JP)  
Murayama, Masami, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Abe, Jin, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi,  
Kanagawa, 211, (JP)  
Uchida, Yoshihiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Yamanaka, Hiromi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Aso, Yasuhiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
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Kakuma, Satoshi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Uriu, Shiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Samejima, Noriko, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Ishioka, Eiji, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Sekine, Shigeru, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Karakawa, Yoshiyuki, Fujitsu Kyushu Communication, Systems Ltd.,  
Yasudaseimeihakata Blg., 1-4-4,, Hakataekimae, Hakata-ku, Fukuoka, 812,  
(JP)  
Kagawa, Atsushi, c/o Fujitsu Communication, Systems Ltd., 3-9-18,  
Shinyokohama, Kouhoku-ku, Yokohama-shi, Kanagawa, 222, (JP)  
Nakayama, Mikio, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)  
Kawataka, Miyuki, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211, (JP)

LEGAL REPRESENTATIVE:

Ritter und Edler von Fischern, Bernhard, Dipl.-Ing. et al (9672),  
Hoffmann, Eitle & Partner, Patentanwalte, Arabellastrasse 4, D-81925  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 700229 A2 960306 (Basic)  
EP 700229 A3 990203

APPLICATION (CC, No, Date): EP 95113111 950821;

PRIORITY (CC, No, Date): JP 94255120 940822

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04Q-011/04

ABSTRACT WORD COUNT: 170

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	8491
SPEC A	(English)	EPAB96	164543
Total word count - document A			173034
Total word count - document B			0
Total word count - documents A + B			173034

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

...SPECIFICATION of the PLCP (physical layer convergence protocol).

Figure 908 shows the configuration of the PLCP **multiframe** interfaced in the DS3 format.

Each of the ATM cell or L2-PDU cell is...the configuration of the MUX.

(Figure 133) shows the outline of the configuration of the **scheduler**

(Figure 134) shows the timing of writing an ATM cell to the FIFO (first-in-first-out buffer) **scheduler**.

(Figure 135) shows the timing sending an output enable signal.

(Figure 136) shows the write...VCC function of the HMX12A PWCB.

If the **scheduler** inputs to a buffer an output permission signal at intervals within approximately 700(mu)sec...

...CLAIMS connecting system according to Claim 71, wherein

a group identification number is assigned to a **group** comprising a **plurality** of subscribers involved in multiple-subscriber communications, the multiple-subscriber communications processing device is assigned to the **group** by requesting a **multiple** -subscriber communications and designating the **group** identification number by a subscriber belonging to the group, and the subscriber who requested the...

11/3,K/3

DIALOG(R) File 348:European Patents  
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00306062

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348  
**Digital data processing system.**

**Digitales Datenverarbeitungssystem.**

**Système du traitement de données numériques.**

PATENT ASSIGNEE:

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581  
, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

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(US)

Gruner, Ronald Hans, 112 Dublin Wood Drive, Cary North Carolina 27514,  
(US)

Mundie, Craig James, 136 Castlewood Drive, Cary North Carolina, (US)  
Schleimer, Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514  
, (US)

Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,  
(US)

LEGAL REPRESENTATIVE:

Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,  
London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 300516 A2 890125 (Basic)  
EP 300516 A3 890426  
EP 300516 B1 931124

APPLICATION (CC, No, Date): EP 88200921 820521;

PRIORITY (CC, No, Date): US 266413 810522; US 266539 810522; US 266521  
810522; US 266415 810522; US 266409 810522; US 266424 810522; US 266421  
810522; US 266404 810522; US 266414 810522; US 266532 810522; US 266403  
810522; US 266408 810522; US 266401 810522; US 266524 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-012/14;

ABSTRACT WORD COUNT: 122

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	1018
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CLAIMS B	(German)	EPBBF1	868
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CLAIMS B	(French)	EPBBF1	1115
----------	----------	--------	------

SPEC B	(English)	EPBBF1	154256
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Total word count - document A			0
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Total word count - document B			157257
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Total word count - documents A + B			157257
------------------------------------	--	--	--------

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...SPECIFICATION b.b. Detailed Structure of Macrostate 10516 (Fig. 471)

c.c.c. Cross-domain SS **Frames** 47039 (Fig. 471)

4. Portions of Procedure Object 608 Relevant to Call and Return  
(Fig...to Names appearing on MOD Bus 10144 as part of sequences of SINs.  
As each **Name** is presented to NC 10226, that Name is transferred into  
and captured in Name Trap...

...In addition, also as previously described, LENGRF 20236 may contain  
data.

LENSEL 20250 is a **multiplexer** having three inputs and providing  
outputs to LENGRF 20236 and first input of BIAS 20246...

**11/3,X/4**

DIALOG(R) File 348:European Patents

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00306058

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348  
Digital data processing system.

Digitales Datenverarbeitungssystem.

Systeme de traitement de donnees numeriques.

PATENT ASSIGNEE:

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581  
, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

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02116, (US)

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(US)

Gavrin, Edward S., Beaver Pond Road RFD 4, Lincoln Massachusetts 01773,  
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(US)

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Pilat, John F., 1308 Ravenhurst Drive, Raleigh North Carolina 27609, (US)

Richmond, Michael S., Fearingtn Post Box 51, Pittsboro North Carolina  
27312, (US)

Schleimer Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514,  
(US)

Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,  
(US)

Wallach, Walter, A., Jr., 1336 Medfield Road, Raleigh North Carolina  
27607, (US)

LEGAL REPRESENTATIVE:

Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,  
London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 290111 A2 881109 (Basic)  
EP 290111 A3 890503

EP 290111 B1 931222

APPLICATION (CC, No, Date): EP 88200917 820521;

PRIORITY (CC, No, Date): US 266404 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-009/30;

ABSTRACT WORD COUNT: 123

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1044
CLAIMS B	(German)	EPBBF1	890
CLAIMS B	(French)	EPBBF1	1185
SPEC B	(English)	EPBBF1	154314
Total word count - document A			0
Total word count - document B			157433
Total word count - documents A + B			157433

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

...SPECIFICATION F. Process 610 Stack Manipulation

1. Introduction to Call and Return
2. Macrostacks (MAS) 502 (Fig. 467)
  - a.a. MAS Base 10410 (Fig. 468)
  - b.b. Per-domain Data Area 46853...715.

All microcode which executes on FU 120 uses these devices; there is in addition a group of devices for performing special functions; these devices are used only by microcode connected with...discussed and defined the above terms, certain features of CS 10110 will next be briefly described .

d. Multi -Program Operation

CS 10110 is capable of concurrently executing two or more programs and selecting...

?

L618-50L

File 15:ABI/INFORM(R) 1971-1999/May 11  
(c) 1999 UMI  
File 9:Business & Industry(R) Jul 1994-1999/May 14  
(c) 1999 Resp. DB Svcs.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 647:CMP Computer Fulltext 1988-1999/May W1  
(c) 1999 CMP  
File 674:Computer News Fulltext 1989-1999/May W1  
(c) 1999 IDG Communications  
File 98:General Sci Abs/Full-Text 1984-1999/Apr  
(c) 1999 The HW Wilson Co.  
File 275:Computer Database(TM) 1983-1999/May 14  
(c) 1999 The Gale Group  
File 47:Magazine Database(TM) 1959-1999/May 14  
(c) 1999 The Gale group

Set	Items	Description
S1	3201	MULTI() STAG? OR MULTIPLE? (N2) STAG? OR MULTISTAG?
S2	20071	(UNUSED? OR FREE OR IDLE) (N3) TIME?
S3	185	(SPLIT? OR DIVISION? OR DIVIDED OR GROUP (N2) GROUP?) (N4) (-RETRIEV?)
S4	444317	SCHEDULE? ? OR SCHEDULER? ?
S5	73432	(PLURALITY OR MANY OR SEVERAL? OR MULTIPLE? OR MULTI? OR M-ULTITUDE?) (N5) GROUP?
S6	18	S1 AND S2 AND S4
S7	0	S1 AND S2 AND S3
S8	0	S7 AND S5
S9	801	S5 AND S2
S10	328	S9 AND S4
S11	0	S10(S)S3
S12	2	S10 AND S3
S13	52	S5(S)S2
S14	0	S2(S)S3
S15	3	S2 AND S3 AND SCHEDUL?
S16	2	S1(S)S2(S)S4
?		

Full text

' 12/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
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Noble, Liesl La Grange  
PC/Computing, v9, n7, p100(19)  
July, 1996  
DOCUMENT TYPE: Directory ISSN: 0899-1847 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 17331 LINE COUNT: 01448

... and exports your styles as template-independent style groups.  
Tabit: PageMaker plug-in that defines **multiple** tab rulers.  
Type Styles: **Group** together style and individual text attributes  
with a description, and place them on a floating...membership data for your  
association with this multiuser system.  
PhoneFacts 95: Helps link Access, Exchange, **Schedule +**, and Project  
to manage projects and tasks.  
Shipment Tracker: Automatically fills in UPS shipment log...

...HTML tables.  
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...template included with Excel 5.0.  
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**ScheduleToPAB**: Simplifies the transfer of fax contacts between  
**Schedule +** and Exchange.  
Miscellaneous Application Add-ins.  
AutoReports: Lets you create batch transactions for reports so...  
...GroupWare Support Center: Utility Helps remedy Novell Shared Code 2.x  
quirks, such as combining **multiple** shared-code directories.  
GroupWise Integration Module: Version 2 of GroupWise's NetWare Admin  
Snap-in module.  
Impromptu: Unifies querying...an eyestrain reminder, a privacy saver,  
and a hotkey setup.  
Automation  
Auto Task for Windows: **Schedules** tasks to execute at preset times or  
specified intervals.  
What I Did: Records every keystroke...

...progress--in any application.  
AutoMail: Uses the System Agent in Microsoft's Plus pack to **schedule**  
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CronJr.: Uses batch files and a text-based **schedule** file to automate  
routine operations such as starting a tape backup.  
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'...control over your cursor's appearance and actions.

GoHome: An excellent utility that lets you **schedule** as many as 20 programs to run unattended.

Macro Mania: A powerful macro program that records and plays back keystrokes to Windows programs.

Metz **Scheduler** : Use this for scheduling your computer applications to launch while you work, play, or sleep...from Dr. Solomon's Anti-Virus Toolkit.

NetShield: Make sure your NetWare network is **virus-free** .

NetShieldNT: Provides **real-time** virus scanning for Windows NT servers.

Symantec AntiVirus Research Center: Download the latest monthly virus ...Boca Research

Cardinal Technologies

Diamond Multimedia Systems/Supra

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Noble, Liesl La Grange

PC/Computing, v9, n7, p100(19)

July, 1996

DOCUMENT TYPE: Directory ISSN: 0899-1847 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 17331 LINE COUNT: 01448

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...PowerPoint Internet Assistant: Transforms Microsoft PowerPoint presentations to HTML pages to publish on the Web.

**Schedule +** Internet Assistant: Publish your **schedule** on the Web; it's great for intranets.

· ScheduleToPAB: Simplifies the transfer of fax contacts between Schedule + and Exchange.

· Miscellaneous Application Add-ins.

· AutoReports: Lets you create batch transactions for reports so...

...GroupWare Support Center: Utility Helps remedy Novell Shared Code 2.x quirks, such as combining **multiple** shared-code directories.

· GroupWise Integration Module: Version 2 of GroupWise's NetWare Admin Snap-in module.

· Impromptu: Unifies querying...an eyestrain reminder, a privacy saver, and a hotkey setup.

· Automation

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· What I Did: Records every keystroke...

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· NetShield: Make sure your NetWare network is **virus-free** .

· NetShieldNT: Provides **real-time** virus scanning for Windows NT servers.

· Symantec AntiVirus Research Center: Download the latest monthly virus

...Boca Research

· Cardinal Technologies

· Diamond Multimedia Systems/Supra

· Hayes Microcomputer Products

· Microcom

· Motorola Information Systems **Group**

· Multi -Tech Systems

· Practical Peripherals

· U.S. Robotics

· Zoom Telephonics

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01076800 97-26194  
Quest for quality  
Anonymous  
Distribution v94n9 PP: 28-56 Aug 1995  
ISSN: 0273-6721 JRNLD CODE: DWW  
WORD COUNT: 4076

...TEXT: were rated in five categories:

- \* On-Time Performance: on-time pickup and delivery, consistent dependable **schedules** and transit times.
- \* Value: competitiveness of rates with carriers offering similar services, relationship of prices...

... our top priority. The candidate must offer competitive rates and an easy-to-understand price **schedule**. We seek a carrier that has experience with: accurate billing and claims-free service. Knowledge...perfect transit service" as promised by the carriers, improved long-haul service and improved information **retrieval**.

Doug Chalmers, **division** traffic manager/seatbelt systems for TRW VSSI, in McAllen, Texas, says his greatest challenge will...rest on their laurels.

When determining quality carriers, users look toward lift capacity, pricing, on-time performance, damage-free service and flexible **schedules**. "These are all important in the equation," says Roy Hecteman, director of operation for Circle...

...shippers, the willingness of carriers to take independent pricing action and to provide consistent sailing **schedules** and transit times were two of the most important criteria when judging ocean carrier quality...

...destinations outside Europe and the Far East.

One respondent put it simply: "Reduce costs, maintain **schedules**."

(Tables omitted)

#### DISTRIBUTION'S 1995 QUALITY CARRIERS

National LTL Carriers  
CF MotorFreight

Roadway Express

Watkins...

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01948502      SUPPLIER NUMBER: 18373685      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Amazing free stuff. (1,001 best Internet downloads) (includes related  
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Noble, Liesl La Grange  
PC/Computing, v9, n7, p100(19)  
July, 1996  
DOCUMENT TYPE: Directory      ISSN: 0899-1847      LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 17331      LINE COUNT: 01448

... keep track of the time you spend on projects for clients.  
Milestones, Etc.: A project-scheduling system with a graphical  
interface.

Power Planner: Lets you zero in on specific aspects of...membership  
data for your association with this multiuser system.

PhoneFacts 95: Helps link Access, Exchange, **Schedule** +, and Project  
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**NetShield:** Make sure your NetWare network is **virus-free**.

**NetShieldNT:** Provides **real-time** virus scanning for Windows NT servers.

**Symantec AntiVirus Research Center:** Download the latest monthly virus

...

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04524115 SUPPLIER NUMBER: 18373685 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Amazing free stuff. (1,001 best Internet downloads) (includes related article on Best of the Internet awards) (Directory)

Noble, Liesl La Grange

PC/Computing, v9, n7, p100(19)

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DOCUMENT TYPE: Directory ISSN: 0899-1847 LANGUAGE: English

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...

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00975584

96-24977

The strategic use of capacity slack in the economic lot scheduling problem with random demand

Bourland, Karla E; Yano, Candace A

Management Science v40n12 PP: 1690-1704 Dec 1994

ISSN: 0025-1909 JRNLCODE: MCI

...ABSTRACT: a time-dependent inventory trajectory for each of the parts, including the placement of planned idle time in the schedule .

Schedule stability is considered desirable because of potential effects

on upstream and downstream operations in multistage production settings. Thus, the plan also has certain characteristics that contribute to achieving stability. The...

... of capacity slack and safety stock indicate that capacity slack in the form of planned idle time is not a cost-effective hedge against demand uncertainty in this context. Thus, it is essential that management carefully identify and evaluate other reasons for including idle time in a plan, and use the idle time effectively. ...

16/3,K/2 (Item 2 from file: 15)  
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00882616 95-32008  
**A job-splitting heuristic for lot-size scheduling in multi-stage, multi-product production processes**  
El-Najdawi, M K  
European Journal of Operational Research v75n2 PP: 365-377 Jun 9, 1994  
ISSN: 0377-2217 JRNL CODE: EJO

**ABSTRACT:** Cyclic scheduling in multi -stage , multi-product production is examined. Cyclic schedules are generalizations of common cycle schedules (CCSP) in which the cycle time for each product is required to be an integer...

... After reviewing the literature, an efficient heuristic procedure is presented which generates near-optimal cyclic schedules for the multi-product, multi - stage flow shop production environment under deterministic and stationary conditions. This procedure accounts for all inventory costs including in-process inventory and idle time . The proposed solution is then compared to the optimal CCSP solution developed by El-Najdawi...

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6/3,AB/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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01781328 04-32319  
**Wood Magic Science Fair**  
Garrard, A W; Seale, R D; Conners, T E; Barnes, H D  
Forest Products Journal v49n2 PP: 10-15 Feb 1999 ISSN: 0015-7473  
JRNL CODE: FPJ  
WORD COUNT: 3044

**ABSTRACT:** The Wood Magic Science Fair is a new, exciting, and innovative program aimed specifically at elementary school students. It seeks to educate students about the tremendous importance of wood and wood products to each of us individually and to the economy of the nation. The Fair is an attempt to change some the common misconceptions concerning the depletion of trees and to improve the visibility of the forest products industries and emphasize their status as environmental conservators. The Wood Magic Science Fair originated at the Forest Products Laboratory, Forest and Wildlife Research Center, Mississippi State University, and is beginning to spread to other states.

6/3,AB/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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01677688 03-28678  
**Great power management of the world trading system: A transatlantic strategy for liberal multilateralism**

Steinberg, Richard H  
Law & Policy in International Business v29n2 PP: 205-256 Winter 1998  
ISSN: 0023-9208 JRNL CODE: LPI  
WORD COUNT: 21975

**ABSTRACT:** In 1995, geostrategic demands and trade interests converged to refocus attention on transatlantic trade policy. With the 50th anniversary of the end of World War II and imminent plans for expanding NATO, geostrategists searched for trade policy initiatives that would reinforce the US commitment to Europe. The renewed interest in transatlanticism has generated new trade initiatives and agreements between the European Union and the US as well as statements of support for extensive transatlantic trade liberalization. It has also necessitated discussion about how to reconcile transatlantic trade liberalization with 2 other policy goals - the advancement of liberal multilateralism and the pursuit of common trade policy interests in third countries. But there is disagreement, debate and lack of confidence over how to simultaneously pursue these goals in a strategically consistent manner. The "great power management approach" to the pursuit of liberal multilateralism is discussed.

6/3,AB/3 (Item 3 from file: 15)  
DIALOG(R) File 15:ABI/INFORM(R)  
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01477914 01-28902  
**Metalforming/assembly hums with software**  
Remich, Norman C Jr  
Appliance Manufacturer v45n7 PP: 46-48 Jul 1997 ISSN: 0003-679X  
JRNL CODE: APL  
WORD COUNT: 586

**ABSTRACT:** Analytical software is the engine that drives metalforming and assembly smoothly. For example, Scientific Forming Technologies Corp.'s Design Environment for Forming software lets designers analyze a metalforming process on the computer instead of through costly trial-and-error on the shop floor.

6/3,AB/4 (Item 4 from file: 15)  
DIALOG(R) File 15:ABI/INFORM(R)  
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01129500 97-78894  
**Optimal scheduling of just-in-time purchase deliveries**  
Mukhopadhyay, Samar K  
International Journal of Operations & Production Management v15n9 PP:  
59-69 1995 ISSN: 0144-3577 JRNL CODE: IJO  
WORD COUNT: 4885

**ABSTRACT:** The success of a JIT system depends on the effective implementation of all its components, including JIT purchasing. Even after following all prescribed implementation procedures of the JIT purchasing system, many companies are frustrating owing to delayed or early delivery of materials to the work centers because of limited unloading facilities. This problem is identified, a mathematical formulation is developed and a methodology is provided for obtaining optimal delivery **schedules** for JIT purchases by applying operations research techniques. An algorithm-based decision support system is developed which gives optimal unloading **schedules** very quickly, making it suitable for daily JIT purchases delivery planning.

6/3,AB/5 (Item 5 from file: 15)

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01126235

97-75629

An economic evaluation model for advanced manufacturing systems using activity-based costing

Park, Chan S; Kim, Gyu-Tai

Journal of Manufacturing Systems v14n6 PP: 439-451 1995 ISSN: 0278-6125

JRNL CODE: JMY

WORD COUNT: 6728

**ABSTRACT:** The development of traditional cost accounting (TCA) systems is based on the mass production of a mature product with known characteristics and a stable technology. In particular, the traditional investment decisions in manufacturing are made based on cost accounting data collected for the production setting given, where the cost structure and uncertainty (in demand, in actual costs, or delivery times) are assumed exogenous to the system. Recent manufacturing experience suggests, however, that these assumptions - stable product and mass production - are no longer valid for accepting manufacturing systems (AMS). Thus, manufacturing companies have reduced their dependence on TCA systems by exploring activity-based cost (ABC) systems. Because TCA and ABC systems have different means of handling overhead costs, they may also have differences in their estimates of cash flows with cost accounting data. Costing procedures are developed for various manufacturing activities under ABC systems, and these procedures are incorporated into the proposed **multistage** investment decision model.

6/3,AB/6 (Item 6 from file: 15)  
DIALOG(R) File 15:ABI/INFORM(R)  
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01094739

97-44133

An experimental evaluation of single-stage lot-size scheduling heuristics in a multi-stage, multi-product production environment

El-Najdawi, M K

Journal of Business Logistics v16n2 PP: 175-195 1995 ISSN: 0735-3766

JRNL CODE: JBL

WORD COUNT: 4927

**ABSTRACT:** A class of single-stage heuristics for common cycle scheduling problem is studied. This classic production problem is concerned with determining optimal production lot sizes for a given set of products using a common facility. After reviewing the literature for CCSP the El-Najdawi and Kleindorfer (1993) optimal solution to CCSP is used as a benchmark against which the performance of various heuristics is tested.

6/3,AB/7 (Item 7 from file: 15)  
DIALOG(R) File 15:ABI/INFORM(R)  
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01055793

97-05187

Integrating production activity control into a hierarchical production-planning model

Meybodi, Mohammad Z

International Journal of Operations & Production Management v15n5 PP: 4-25 1995 ISSN: 0144-3577 JRNL CODE: IJO

WORD COUNT: 5041

**ABSTRACT:** A hierarchical production planning (HPP) model that integrates aggregate-type planning, family disaggregate planning, lotsizing, job scheduling, and evaluation of the final production plans into a complete planning and scheduling system is presented. Incorporation of a simple heuristic scheduling algorithm into the HPP model is the primary

contribution. The scheduling routine **schedules** the jobs based on just-in-time concept and provides detailed shopfloor information such as job tardiness, bottleneck work centers, capacity level, inventory or shortage level, and number of set-ups. This information is critical for effective shopfloor management. Experimental results indicate that the performance of the present model is better than the existing models in general. However, the model is truly superior under tight capacity conditions.

6/3,AB/8 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00975584 96-24977  
The strategic use of capacity slack in the economic lot scheduling problem with random demand  
Bourland, Karla E; Yano, Candace A  
Management Science v40n12 PP: 1690-1704 Dec 1994 ISSN: 0025-1909  
JRNL CODE: MCI

**ABSTRACT:** In the framework of the economic lot scheduling problem with stochastic demand, an optimization-based model is developed that considers capacity slack, safety stock and overtime explicitly, and has the objective of minimizing the expected cost per unit time of inventory, overtime and, where applicable, setup costs. The solution is a continuous-time production plan that consists of a time-dependent inventory trajectory for each of the parts, including the placement of planned **idle time** in the **schedule**.

**Schedule** stability is considered desirable because of potential effects on upstream and downstream operations in **multistage** production settings. Thus, the plan also has certain characteristics that contribute to achieving stability. The results on the relative merits of capacity slack and safety stock indicate that capacity slack in the form of planned **idle time** is not a cost-effective hedge against demand uncertainty in this context. Thus, it is essential that management carefully identify and evaluate other reasons for including **idle time** in a plan, and use the **idle time** effectively.

6/3,AB/9 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00922262 95-71654  
Scheduling in multistage flowshop systems: An application in the food processing industry  
Randhawa, Sabah U; Juwono, Cynthia; Burhanuddin, Sheikh  
Industrial Management & Data Systems v94n5 PP: 16-24 1994 ISSN: 0263-5577 JRNL CODE: IDS  
WORD COUNT: 4623

**ABSTRACT:** A heuristic algorithm, designed for freeze-drying operations in the food processing industry, is developed for a **multistage** system with parallel machines and resource constraints. The proposed system is extremely complex owing to factors such as stage capacities, resource constraints and requirements, setup charges, product mix, order sizes, and coordination of **multiple stages**. The primary objectives are to: 1. meet due dates, 2. minimize workflow time, and 3. maximize equipment utilization. The system is implemented to generate production **schedules** in a microcomputer-based operating environment. Because the production **schedule** along with the system performance measures can be determined in advance, it allows the user to analyze the system before production takes place. The **schedules** produced by using this heuristic can be modified and adjusted during system operation.

6/3,AB/10 (Item 10 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00904838 95-54230  
**The overestimated workweek? What time diary measures suggest**

Robinson, John P; Bostrom, Ann  
Monthly Labor Review v117n8 PP: 11-23 Aug 1994 ISSN: 0098-1818  
JRNL CODE: MLR  
WORD COUNT: 9146

**ABSTRACT:** Figures on hours spent at work allow analysts to see whether changes in productivity are attributable to changed production of outputs, or to changed time required to produce these outputs. They further allow analysts to gauge whether workers remain as adept in production as previously, whether workers in one industry are working more or fewer hours than those in other industries, or whether unionized workers work fewer hours than other workers. Problems that arise for respondents who are surveyed using the workweek estimate approach and comparable figures from the total time-diary approach to calculate hours of work are described. Reliability and validity studies supporting the diary method are also described. Results showing deviations between the 2 approaches are presented, as well as the effects of other selected variables.

6/3,AB/11 (Item 11 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00882616 95-32008  
**A job-splitting heuristic for lot-size scheduling in multi-stage, multi-product production processes**  
El-Najdawi, M K  
European Journal of Operational Research v75n2 PP: 365-377 Jun 9, 1994  
ISSN: 0377-2217 JRNL CODE: EJO

**ABSTRACT:** Cyclic scheduling in multi-stage, multi-product production is examined. Cyclic schedules are generalizations of common cycle schedules (CCSP) in which the cycle time for each product is required to be an integer multiple (not necessarily one as in the CCSP) of the base cycle time. Solution procedures which have been reported in the literature for this problem ignore in-process inventory and are limited to single-stage or single-product production processes. After reviewing the literature, an efficient heuristic procedure is presented which generates near-optimal cyclic schedules for the multi-product, multi-stage flow shop production environment under deterministic and stationary conditions. This procedure accounts for all inventory costs including in-process inventory and idle time. The proposed solution is then compared to the optimal CCSP solution developed by El-Najdawi and Kleindorfer (1993) and, as expected, performed significantly better than the traditional CCSP approach.

6/3,AB/12 (Item 12 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00870242 95-19634  
**How would business react to an employer mandate?**  
McArdle, Frank B  
Health Affairs v13n2 PP: 69-83 Spring 1994 ISSN: 0278-2715 JRNL CODE: HAF  
WORD COUNT: 6579

**ABSTRACT:** As difficult and controversial as it is to pass an employer

mandate, implementation will be even harder. Business reactions will not be monolithic, but diverse and complicated, often diametrically opposed. Reactions will also vary dramatically with the actual design of the provision in question, for which there are many alternatives. If an employer obligation were designed to be more respectful and reflective of that diversity, the odds of gaining greater acceptance and successful implementation by businesses would improve. It is speculated that the main reason policymakers are discussing an employer mandate is that it is a way of funding a sizable portion of the incremental cost of universal coverage without a direct tax increase or a direct federal budgetary effect.

6/3,AB/13 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00727286 93-76507  
Potential Versus Actual Faking of a Biodata Form: An Analysis Along Several Dimensions of Item Type  
Becker, Thomas E.; Colquitt, Alan L.  
Personnel Psychology v45n2 PP: 389-406 Summer 1992 ISSN: 0031-5826  
JRNL CODE: PPS  
WORD COUNT: 6538

ABSTRACT: Two studies examined faking of a 25-item biodata questionnaire. In the first study, potential and actual faking of the form was investigated using 3 groups: 1. a group told to make themselves look as good as possible, 2. a group told to complete the form honestly, and 3. a group completing the instrument in a real selection situation. The results indicated that subjects could fake the instrument when instructed to do so. Some faking appeared to be occurring in practice, although the results depended on the composition of the comparison group. Only 8 items appeared to be fakable, and only 3 of those seemed to be faked in practice. In the 2nd study, 26 business majors rated the biodata items on 8 dimensions of item type. The results showed that the 3 items faked in practice were less historical, objective, discrete, verifiable, and external than other items and were more job relevant.

6/3,AB/14 (Item 1 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
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01435462 SUPPLIER NUMBER: 10832826 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
CICC accents global ASIC technology; papers from over 30 countries describe the latest in analog and digital ASICs and design software. (the Custom Integrated Circuits Conference) (application-specific integrated circuits) (technical)  
Maliniak, Lisa  
Electronic Design, v39, n9, p47(5)  
May 9, 1991  
DOCUMENT TYPE: technical ISSN: 0013-4872 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2810 LINE COUNT: 00228

ABSTRACT: The Custom Integrated Circuits Conference (CICC) to be held in San Diego on May 12-15, 1991, will offer the latest application-specific integrated circuit (ASIC) technology in over 170 papers, over half of which are from 30 countries outside the US. Among the topics to be covered are design automation; digital-signal-processing applications; fabrication technology; device, circuit and system modeling and simulation; analog circuits; telecommunications applications; interfaces and packaging; and design-for-test. High-speed, high-density, low-power, CMOS field-programmable gate arrays (FPGAs) based on antifuse technology called ViaLink and developed by QuickLogic Corp will be the topic of one of the new hardware sessions. A paper to be presented in the FPGA architecture and

applications session by the IBM Almaden Research Center will discuss an interconnected, digital, feed-forward artificial neural network on one VME card.

6/3,AB/15 (Item 2 from file: 275)  
DIALOG(R)File 275:Computer Database(TM)  
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01321029 SUPPLIER NUMBER: 08550029 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Data Based Advisor COMDEX sneak preview. (COMDEX '89; includes related article on Microrim Inc.'s next-generation database management system)  
Data Based Advisor, v7, n11, p71(33)  
Nov, 1989  
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 24226 LINE COUNT: 02038

ABSTRACT: COMDEX '89 is to be the site for various product announcements and demonstrations in the database arena. Many of those are featured in this special section, which gives brief descriptions of many new and enhanced database products to be previewed at COMDEX. Some of those products included in this sneak preview are Communications Horizons' Little RaSQL library, CounterPoint Systems' CounterPoint retail point-of-sale application and Form Generation Software's FORMalware forms function library.

6/3,AB/16 (Item 1 from file: 47)  
DIALOG(R)File 47:Magazine Database(TM)  
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04785675 SUPPLIER NUMBER: 19563849 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
How to survive nine to five. (includes related articles on remaining calm and recognizing burnout)  
Schoenfeld, Bruce  
Men's Health, v12, n6, p108(7)  
July-August, 1997  
ISSN: 1054-4836 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4500 LINE COUNT: 00331

ABSTRACT: Men with extremely stressful jobs are profiled, A day in the lives of a pediatric neurosurgeon, an air traffic controller and a member of a SWAT team are described, and they discuss how they manage stress successfully. Ordinary readers also offer their tips.

6/3,AB/17 (Item 2 from file: 47)  
DIALOG(R)File 47:Magazine Database(TM)  
(c) 1999 The Gale group. All rts. reserv.

04215437 SUPPLIER NUMBER: 16736916 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Down Beat's summer jazz festival guide: 50 international destinations. (March-September 1995) (Cover Story) (Directory)  
Bourne, Michael  
Down Beat, v62, n3, p29(6)  
March, 1995  
DOCUMENT TYPE: Cover Story Directory ISSN: 0012-5768 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 6859 LINE COUNT: 00567

ABSTRACT: Each listing includes a brief description of the tourist attractions of each festival, as well as artists already booked and information numbers. The section includes both international and domestic/US festivals.

6/3,AB/18 (Item 3 from file: 47)

· DIALOG(R) File 47:Magazine Database(TM)  
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04148323 SUPPLIER NUMBER: 15737605 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The overestimated workweek? What time diary measures suggest.**

Robinson, John P.; Bostrom, Ann

Monthly Labor Review, v117, n8, p11(13)

August, 1994

ISSN: 0098-1818 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 9938 LINE COUNT: 00797

**ABSTRACT:** A brief history of time diary work research reveals a wide disparity in survey techniques and findings. The comprehensive time diary, in which respondents record all activity in a 24-hr period, is judged the more statistically accurate than methods which rely on estimates. However, there are measurable discrepancies in actual workdays versus even the best diary methods.

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